COUNTY PALATINE OF LANCASTER.

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1918,

WITH STATISTICAL INFORMATION FROM REPORTS OF DISTRICT MEDICAL OFFICERS OF HEALTH.

(Presented to the County Council, November 6th, 1919.)

LANCASHIRE

IN CONCILIO CONSILIUM

COUNTY COUNCIL.

PRESTON:
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MCMXIX.

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PUBLIC HEALTH AND HOUSING COMMITTEE (1919).

The Chairman of the County Council:

*Sir William Scott Barrett, Knight, D.L.

The Vice-Chairman of the County Council:

*Sir Henry F. Hibbert, Bart., D.L.

Chairman of Committee:

*W. Hodgson, Esq.

Vice-Chairman:

*C. J. Trimble, Esq., C.B., C.M.G.

(County Aldermen.)*

County Aldermen—

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R. Sephton, Esq.
J. T. Travis-Clegg, Esq., D.L.

County Councillors—

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C. F. Critchley, Esq.
M. B. Farr, Esq.
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S. Smethurst, Esq.
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R. Worswick, Esq.

MIDWIVES ACT COMMITTEE (1919).

The Chairman of the County Council:

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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year ended December 31st, 1918.

To the County Council of the County Palatine of Lancaster.

Mr. Chairman and Gentlemen,

I have the honour to present for your consideration the Thirtieth Annual Report on the health, sanitary condition, and administration of the Administrative County of Lancaster, for the year ended 31st December, 1918.

The tabular statement below compares the County birth and death rates of 1918 with the preceding year and the mean of the ten years 1908-1917 :—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	*Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	16·08	17·26	0·96	1·07	100
1917	16·25	13·98	0·78	1·00	96
Mean of 10 years 1908-1917	21·43	14·15	1·28	0·89	116
Increase or Decrease in 1918 *on—*					
Previous Year	−0·17	+3·28	+0·18	+0·07	+4
Ten Years' Average	−5·35	+3·11	−0·32	+0·18	−16

* See footnote, page xxx.

The decline in the birth-rate was only fractional as compared with the previous year, but the rate was 5·94 per 1,000 below the rate for the year before the war. The County death-rate was the highest since 1899, and for the first time exceeded the County birth-rate.

The progress of the County Council's scheme of child welfare and the scheme for the diagnosis and treatment of venereal diseases is shown on pages xxi. and xlv. of this report.

The action taken in 1918 by Local Authorities in the County area in regard to housing is referred to on pages lvii. to lxii.

At the request of the Local Government Board, the reports of local Medical Officers of Health are again brief, but the County records, both as regards vital statistics and the details of sanitary work accomplished, have been kept up-to-date.

The number of districts reported upon in detail as to their sanitary circumstances and administration by the County Public Health Staff now number 44.

Special reports received during 1918 from district Medical Officers of Health numbered 222, of which 122 referred to school closure owing to the prevalence of infectious disease, 63 to the influenza epidemics, and 37 on miscellaneous subjects.

I take this opportunity of expressing my thanks to district Medical Officers of Health and their sanitary staffs for the assistance given to me in the execution of my duties.

From the Exchequer Contribution Account, payments have been made towards the salaries of Public Health Officials under Section 24 of the Local Government Act, 1888, to the Councils of 17 boroughs, 85 urban districts, 19 rural districts, and 2 port sanitary authorities. The total payments during the financial year ended March 31st, 1919, amounted to £13,103 1s. 2d., of which £5,564 18s. 6d. was in respect of Medical Officers of Health, and £7,538 2s. 8d. for Sanitary Inspectors.

I am, Gentlemen,

Your obedient Servant,

J. J. BUTTERWORTH,

County Medical Officer of Health.

Public Health Department,
County Offices, Preston,
August, 1919.

THE COUNTY.

Area.—The area of the Administrative County on the 31st December, 1918, was 1,053,822 statute acres.

By the Blackpool Improvement Act, 1917, an acreage of 1,573, and a population of 2,372, was, on the 1st April, 1918, lost to the Administrative County, viz., the urban district of Bispham-with-Norbreck, area 1,346 acres, population, census 1911, 2,244, and a portion of the township of Carleton, in the Fylde rural district, area 227 acres, population, census 1911, 128.

The area of each County district, as extracted from the Census Report, 1911, is given in Table B., appended, page xvi.

Population.—The difficulty of estimating local populations, which always increases as the last Census becomes more distant, is still partly accentuated by the unprecedented movement which the war has caused in the population, and the Registrar-General in supplying local estimates of population to be used by Medical Officers of Health for the purpose of their Annual Reports states that they are based mainly upon the rationing returns placed at his disposal by the Ministry of Food.

The Registrar-General further states, the "death-rate population" excludes all non-civilian males, whether serving at home or abroad. This is necessary for the purpose of local death-rates, because it has proved impossible to transfer the deaths of non-civilians to their areas of residence or to deal in any other satisfactory manner with the local mortality of this element in the population.

The "birth-rate (and marriage-rate) population" on the other hand, is intended to include all the elements of the population contributing to the birth and marriage rates. It consists therefore of the death-rate or civilian population plus all non-civilians enlisted from this country, whether serving at home or abroad. This non-civilian element has been distributed over all the districts in the country in proportion to their estimated civilian population.

The aggregate of the above estimates for the urban and rural districts comprised within the Administrative County on the 31st December, 1918, are as follow* :—

For purposes of calculating the *birth-rate* ... 1,723,216
" " " *death-rate* ... 1,537,951

At the 1911 Census the enumerated population of the Administrative County was 1,739,320 (including certain Public Institutions), and since that date the excess of births over deaths has amounted to 82,082, but by extension of County Boroughs since 1911, a loss of population representing 40,240 persons has been sustained.

The Registrar-General's estimate of population in 1918 for death-rate purposes is 30,111 less than his estimate for the preceding year, and 81,517 fewer than in 1916.

Throughout this report the birth and death rates—both county and local—are based upon the estimates above referred to. Table B, page xvi., shows the Census enumeration of each borough, urban, and rural district, and also the 1918 estimates.

---

* The population of the urban district of Bispham-with-Norbreck and a small portion of the Fylde rural district which were absorbed by the County Borough of Blackpool on the 1st April, 1918, is not included in these estimates.

The following table gives the area, population, persons per acre, &c., of the County on the 31st December, 1918, distinguishing the boroughs, urban, and rural districts :—

	Area in Acres.	Population.			Persons per Acre.	Acres per Person.
		*Census, 1911.	Estimate of Population, 1918			
			For Birth-rate	For Death-rate	Calculated on Census figures.	
Municipal Boroughs (18).	77,983	546,183	555,031	495,355	7·00	0·14
Urban Districts (85)	260,867	906,227	932,691	832,420	3·47	0·28
Rural Districts (19)	714,972	232,708	235,494	210,176	0·32	3·07
Administrative County	1,053,822	1,685,118	1,723,216	1,537,951	1·59	0·62

* Excluding certain public institutions, *i.e.*, asylums.

Vital Statistics.—The system adopted in 1916 under which the Registrar-General supplied, through the County Public Health Department, each District Medical Officer of Health with the details of the births and deaths occurring in, or belonging to, his district, was continued in 1918.

The Registrar-General directs the attention of Medical Officers of Health to some points upon which experience has shown that misunderstandings tend to arise, *e.g.*—

The "year" to which the figures supplied refer is the calendar year 1918. The numbers of births and deaths "registered" must differ slightly on this account from the records for the most nearly corresponding fifty-two weeks.

The classification of some deaths is modified in the light of fuller information obtained from the certifying practitioner in response to special inquiries. . . . . This possible source of discrepancy between the returns of the Registrar-General and those compiled locally should be borne in mind.

Births.—During the year 1918 the births of 27,736 living children were registered in the area of the Administrative County.

The sex of the children born is shown below :—

	Males.	Females.	Total.
Urban Districts	12,335	11,618	23,953
Rural Districts	1,924	1,859	3,783
Administrative County ...	14,259	13,477	27,736

The male births exceeded those of females by 2·81 per cent. ; in 1917 this excess corresponded to 2·47 per cent., 2·49 per cent. in 1916, and 2·19 per cent. in 1915.

The following table shows the County, urban, and rural birth-rates for the year 1918, calculated on the estimated population supplied by the Registrar-General (see page ix.) ; also the rates for each year in the preceding decennial period. For comparative purposes the birth-rates for the whole country are also given :—

	Rate per 1,000 of the Estimated Population.										
	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.
Urban Districts	16·09	16·27	18·54	19·91	22·19	22·41	22·09	22·88	22·47	23·67	25·05
Rural Districts..	16·06	16·08	18·59	18·95	20·95	20·86	21·42	21·15	22·52	22·91	23·60
Administrative County	16·08	16·25	18·54	19·78	22·02	22·20	22·00	22·64	22·48	3·57	24·86
England and Wales.....	17·7	17·8	21·6	21·8	23·8	23·9	23·8	24·4	24·8	25·6	26·5

The decline in the County birth-rate in 1918, as compared with the year 1917, was only fractional, viz., 0·17 per 1,000 of

the estimated population (urban districts 0·18, rural districts 0·02), but the rate was no less than 5·94 per 1,000 below the rate for the last year which so far as the births are concerned was unaffected by the war. The County rate in 1918 was 5·35 per 1,000 less than the mean of the ten years 1908-1917 (urban districts 5·45, rural districts 4·64), and it was 1·7 per 1,000 below the provisional birth-rate for the year 1918 for the whole of England and Wales.

The mean birth-rates per 1,000 of population for the Administrative County for four quinquennial periods and for the year 1918 are given below :—

1898—1902	...	26·98	1908—1912	...	23·11
1903—1907	...	25·32	1913—1917	...	19·75
		1918	...	16·08	

The acceleration in the decline in the *number* of births in recent years will be seen from the following table :—

Year.		Total No. of Births in County.	Year.		Total No. of Births in County.
1911	...	39,134	1915	...	34,595
1912	...	38,443	1916	...	32,695
1913	...	38,844	1917	...	28,420
1914	...	38,507	1918	...	27,736

The birth-rate of each urban and rural district in 1918 is shown on Table B, page xvi. In 55 districts the number of civilian deaths during the year exceeded the total number of births.

The highest district birth-rates were attained in Haydock 29·6, Litherland 25·8, Ince-in-Makerfield 25·3, Dalton-in-Furness 25·1, Billinge 24·7, Ashton-in-Makerfield 24·2, Abram and Skelmersdale each 24·1, Widnes (B.) 23·8, and Tyldesley-with-Shakerley 23·4. Low rates were recorded in Turton 9·9, Wardle 9·6, Darwen (B.) and Croston each 9·5, Barrowford 9·2, Grange-over-Sands 8·9, and St. Annes-on-the-Sea 8·2.

Illegitimate Births.—The births registered included 1,531 of illegitimate children, an increase of 225 on the number in 1917. The percentage of illegitimate births to total births was 5·51 against 4·48 per cent. last year.

Deaths.—As in the two preceding years, the deaths included in this report for the year 1918 relate only to those occurring amongst the civilian population. The statistics given in this report, both County and local, are supplied by the Registrar-General.

The total number of deaths of civilians registered in the Administrative County during the year 1918, after making the necessary corrections for inward and outward transfers, was 26,563, or 4,626 in excess of the aggregate for the year 1917 (21,937). In 1916 there were 23,197 deaths registered, and 25,546 in 1915.

The sex distribution of the persons dying in 1918 is shown below :—

	Males.	Females.	Total.
Urban Districts	11,326	11,788	23,114
Rural Districts	1,742	1,707	3,449
Administrative County ...	13,068	13,495	26,563

For the first time since the year 1900 the female deaths in the County exceeded the male deaths, the percentages to total deaths being : females, 50·80 ; males, 49·19. In the urban districts the excess of female deaths over those of males corresponded to 1·99 per cent., whilst in the rural districts male deaths predominated to the extent of 1·01 per cent. In the whole County the deaths of females were to those of males as 1,032 is to 1,000, and in the urban districts as 1,040 is to 1,000,

TABLE A.—CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING THE YEAR ENDED 31st DECEMBER, 1918.

CAUSES OF DEATH.	ADMINISTRATIVE COUNTY. TOTAL DEATHS.	Sex.	AGGREGATE OF URBAN DISTRICTS. YEARS.									AGGREGATE OF RURAL DISTRICTS. YEARS.								
			All Ages.	0—	1—	2—	5—	15—	25—	45—	65—	All Ages.	0—	1—	2—	5—	15—	25—	45—	65—
ALL CAUSES	26563	M.	11326	1452	533	591	719	617	1683	2987	2744	1742	207	67	71	110	100	264	401	522
		F.	11788	983	471	637	726	866	2239	2685	3181	1707	137	52	77	105	127	352	361	496
		Total	23114	2435	1004	1228	1445	1483	3922	5672	5925	3449	344	119	148	215	227	616	762	1018
1 Enteric fever	91	M.	44	..	..	..	2	12	20	9	1	3	..	..	..	..	..	2	1	..
		F.	38	..	..	1	5	13	15	4	..	6	..	..	..	2	4	..	..	..
2 Small-pox	..	M.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		F.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Measles	319	M.	157	30	67	47	11	2	..	..	..	16	3	7	4	2	..	..	..	..
		F.	137	20	51	48	17	..	1	..	..	9	1	5	3	..	..	..	..	..
4 Scarlet fever	49	M.	22	1	3	8	10	..	..	..	..	6	..	1	4	1	..	..	..	..
		F.	18	..	1	7	7	2	1	..	..	3	..	..	2	1	..	..	..	..
5 Whooping cough	478	M.	186	77	57	43	9	..	..	..	..	23	13	6	3	1	..	..	..	..
		F.	236	77	74	70	14	..	..	1	..	33	17	3	9	4	..	..	..	..
6 Diphtheria and croup	244	M.	113	6	9	42	54	2	..	..	..	13	2	2	1	7	1	..	..	..
		F.	102	3	7	37	51	2	2	..	..	16	..	2	5	8	1	..	..	..
7 Influenza	4492	M.	1670	47	58	108	206	203	498	405	145	281	5	4	17	26	40	113	54	22
		F.	2182	32	55	135	237	326	790	406	201	359	2	6	19	32	62	147	62	29
8 Erysipelas..	25	M.	14	2	1	..	1	1	1	3	5	4	1	..	..	1	..	1	1	..
		F.	6	..	..	..	..	..	2	..	4	1	..	..	..	..	..	..	..	1
9 Pulmonary tuberculosis ..	1652	M.	752	2	6	7	27	116	338	225	31	92	..	1	1	4	20	32	28	6
		F.	715	2	1	4	51	191	328	122	16	93	..	..	..	4	24	45	17	3
10 Tuberculous meningitis	140	M.	51	9	5	8	24	3	2	..	..	11	2	3	2	3	1	..	..	..
		F.	68	7	11	17	16	10	7	..	..	10	1	4	3	2	..	..	..	..
11 Other tuberculous diseases ..	295	M.	126	10	12	18	30	25	15	14	2	18	1	1	3	2	4	5	2	..
		F.	132	6	11	15	21	22	39	15	3	19	..	..	2	4	3	5	4	1
12 Cancer, malignant disease ..	1727	M.	662	..	..	2	1	4	35	369	251	100	..	..	..	..	1	4	44	51
		F.	855	..	..	1	2	7	112	450	283	110	..	..	..	..	..	15	54	41
13 Rheumatic fever	83	M.	33	..	..	3	11	4	10	4	1	2	..	..	..	2	..	..	..	..
		F.	42	..	..	..	10	11	13	7	1	6	..	..	..	..	2	2	2	..
14 Meningitis..	214	M.	110	22	20	19	30	8	7	4	..	11	3	3	1	3	..	1	..	..
		F.	80	8	9	13	31	7	6	4	2	13	1	2	2	4	2	1	1	..
15 Organic heart disease	2250	M.	866	..	..	1	20	36	103	334	372	134	..	..	..	3	1	10	48	72
		F.	1081	..	..	1	17	47	178	347	491	169	..	..	..	6	6	21	48	88
16 Bronchitis..	2181	M.	989	148	42	27	6	4	52	273	437	109	17	8	5	..	3	2	24	50
		F.	961	86	48	30	16	12	53	210	506	122	14	3	1	1	2	8	19	74
17 Pneumonia (all forms)	2604	M.	1233	177	141	145	111	57	186	265	151	165	28	16	11	12	10	20	42	26
		F.	1071	119	121	148	103	80	205	170	125	135	20	13	19	15	7	20	21	20
18 Other respiratory diseases ..	313	M.	143	8	5	11	14	5	17	49	34	19	1	4	2	2	1	2	4	3
		F.	129	3	4	12	8	8	23	35	36	22	..	..	..	4	2	7	8	1
19 Diarrhœa, &c.	559	M.	267	116	32	25	15	2	13	27	37	43	20	4	4	2	..	4	6	3
		F.	229	85	31	18	10	4	15	29	37	20	8	2	..	2	..	1	4	3
20 Appendicitis and typhlitis ..	95	M.	46	..	..	1	16	10	7	7	5	10	..	..	1	4	1	1	2	1
		F.	32	1	..	1	9	7	7	5	2	7	..	..	..	3	2	2	..	..
21 Cirrhosis of liver	62	M.	42	..	..	..	..	..	2	33	7	7	..	..	..	..	..	..	5	2
		F.	12	..	..	..	..	..	..	3	9	1	..	..	..	..	..	..	1	..
21*a* Alcoholism	1	M.	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
		F.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22 Nephritis and Bright's disease ..	696	M.	300	2	2	8	9	7	51	141	80	46	1	..	..	1	1	7	14	22
		F.	307	1	3	9	7	19	56	123	89	43	..	1	1	1	..	9	16	15
23 Puerperal fever	44	M.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		F.	36	..	..	..	..	5	31	..	..	8	..	..	..	..	..	8	..	..
24 Parturition, apart from puerperal fever	112	M.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		F.	94	..	..	..	..	17	75	2	..	18	..	..	..	..	1	17	..	..
25 Congenital debility, &c. ..	1026	M.	533	521	2	3	5	1	1	..	..	83	78	1	..	2	2	..	..	..
		F.	360	353	..	..	5	1	1	..	..	50	50	..	..	..	..	..	..	..
26 Violence, apart from suicide ..	601	M.	365	8	10	31	50	38	90	91	47	63	..	1	5	13	4	14	14	12
		F.	154	7	6	22	33	9	20	31	26	19	1	2	4	1	1	2	1	7
27 Suicide	123	M.	68	..	..	..	1	7	16	31	13	9	..	..	..	..	1	2	5	1
		F.	34	..	..	..	..	1	15	17	1	12	..	..	..	..	..	4	7	1
28 Other defined diseases	5902	M.	2458	262	52	33	52	69	208	674	1108	450	32	4	5	18	9	41	94	247
		F.	2605	171	34	43	52	60	233	673	1339	389	22	7	7	11	8	35	90	209
29 Causes ill-defined or unknown ..	185	M.	75	4	9	1	4	1	10	29	17	24	..	1	2	1	..	3	13	4
		F.	72	2	4	5	4	5	11	31	10	14	..	2	..	..	..	3	6	3

but in the rural areas the male deaths were in the proportion of 1,020 to 1,000. The disturbance of the male population owing to the war probably accounts for the variation in the usual proportion of sex mortality.

The County deaths at the various age periods are given below :—

Under 1 Year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Total.
2,779	1,123	1,376	1,660	1,710	4,538	6,434	6,943	26,563

Table A is a classified statement of the causes of death in 1918, distributed in age groups and distinguishing the sexes, for the aggregate urban and aggregate rural districts.

The following table gives the County birth and death rates, and also those for England and Wales. The County *death-rates* are calculated on the Registrar-General's estimate of the *civilian* population :—

		Birth-rate per 1,000 of the Population.	Death-rate per 1,000 of the Population.	Death-rate from the Principal *Epidemic Diseases.	Rate of Infant Mortality measured by the proportion of deaths of Infants under 1 year to 1,000 births.
Administrative County of Lancaster	Urban	16·09	17·14	0·99	101
	Rural	16·06	16·41	0·77	90
	Urban and Rural Districts combined	16·08	17·26	0·96	100
England and Wales		17·7	17·6	...	97

* Includes deaths from Diarrhœa and Enteritis under 2 years *only*.

The table below gives the death-rates of the County, distinguishing the urban and rural rates, and also the average for England and Wales, from 1908 to 1918 :—

	Death-rate per 1,000 of the estimated Population.										
	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.
Urban Districts	17·40	14·05	14·47	15·60	14·17	14·39	13·76	15·33	12·83	14·08	14·61
Rural Districts .	16·41	13·56	13·32	13·57	12·53	13·00	12·60	13·25	12·09	13·11	13·31
Administrative County	17·26	13·98	14·31	15·32	13·95	14·20	13·61	15·05	12·73	13·96	14·45
England and Wales...	17·6	14·4	14·0	14·8	13·7	13·4	13·0	14·6	13·4	14·5	14·7

Comparison of the death-rates with previous years is affected by the changes in the constitution of the population, but after making allowances for the changed conditions due to enlistment of a large body of men at an age at which mortality experience is below the average, the County death-rate in 1918 was less satisfactory than for many years ; in fact, the rate was the highest recorded since 1899. The 1918 rate exceeded that of the previous year by 3·28 per 1,000 of the estimated population—urban districts 3·35, rural districts 2·85, and the excess over the average of the ten years 1908-1917 was : County 3·11, urban districts 3·08, rural districts 3·38. The County rate, however, was 0·4 per 1,000 less than the provisional rate for 1918 for the whole of England and Wales.

The increase in the County death-rate in 1918 as compared with 1917 was due to the very marked rise in the mortality from influenza and pneumonia, which were responsible for 4,492 and 2,604 deaths respectively, as compared with 269 and 1,935—increases of 4,223 and 669.

Details of the deaths in the different sanitary areas, classified under 29 headings, together with the local death-rates, are given in Table B here inserted, and the mortality rates of each district in 1918 are compared with the preceding year and the mean of the decennial period 1908-1917 on pages 1 to 42.

TABLE B.—BIRTHS AND DEATHS REGISTERED DURING THE YEAR 1918 IN THE URBAN AND RURAL DISTRICTS OF THE ADMINISTRATIVE COUNTY OF LANCASTER; ALSO THE AREA AND POPULATION OF EACH DISTRICT.

NOTES.—The Area and "Census" Population of each District are taken from the Census Return. The number of Births and Deaths in each District are supplied by the Registrar-General. *†Birth and Death Rates are calculated on Estimated Population for 1918 supplied by the Registrar-General.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages. Census, 1911.	Population at all ages. Estimate of Civil Population for 1918 *For Birth-rate.	Population at all ages. Estimate of Civil Population for 1918 †For Death-rate.	Births. Number Registered. M.	Births. Number Registered. F.	Births. Number Registered. Total.	Births. *Birth-rate per 1,000.	Deaths. Number Registered. M.	Deaths. Number Registered. F.	Deaths. Number Registered. Total.	Deaths. †Death-rate per 1,000.	Infant Mortality. Number of Deaths under One Year	Infant Mortality. Mortality per 1,000 Registered Births.	†Death-rate per 1,000 from the Seven principal Epidemic Diseases.	†Pulmonary Tuberculosis Death-rate per 1,000.
Abram	1984	6893	6626	5914	75	85	160	24·1	50	46	96	16·2	18	112	1·63	1·01
Accrington (Borough)	3427	45029	44669	39866	323	288	611	13·6	278	323	601	15·0	57	93	0·57	1·05
Adlington	1062	4457	4235	3780	36	37	73	17·2	27	23	50	13·2	5	68	0·79	1·05
Ashton-in-Makerfield	6251	21543	22921	20457	284	271	555	24·2	183	179	362	17·6	59	106	2·83	0·48
Ashton-under-Lyne (Borough)	1345	45172	44458	39677	368	359	727	16·3	398	398	796	20·0	88	121	0·83	1·66
Aspull	1906	8276	8026	7163	91	77	168	20·9	85	84	169	23·5	25	148	2·51	0·97
Atherton	2265	18982	19829	17697	182	202	384	19·3	158	160	318	17·9	53	138	2·54	0·84
Audenshaw	1241	7977	8179	7300	78	54	132	16·1	50	54	104	14·2	14	106	0·41	0·54
Bacup (Borough)	6120	22318	21061	18797	135	143	278	13·1	190	195	385	20·4	41	147	1·43	0·95
Barrowford	1385	5527	5525	4931	23	28	51	9·2	31	43	74	15·0	3	58	1·41	0·81
Billinge	4596	4903	4898	4371	53	68	121	24·7	34	43	77	17·6	11	90	0·68	1·37
(a) Bispham-with-Norbreck	1346	2244	(a) 665	(a) 594	2	2	4	6·0	2	4	6	10·1	Nil.	Nil.	Nil.	Nil.
Blackrod	2392	3896	3787	3380	39	39	78	20·5	34	36	70	20·7	10	128	1·47	0·88
Brierfield	807	8259	7676	6851	42	48	90	11·7	62	51	113	16·4	5	55	1·02	1·02
Carnforth	1505	3141	3305	2950	32	29	61	18·4	30	18	48	16·2	4	65	1·69	1·69
Chadderton	3082	28299	28107	25085	239	204	443	15·7	264	253	517	20·6	52	117	0·99	1·31
Chorley (Borough)	3614	30315	34404	30705	245	207	452	13·1	262	310	572	18·6	49	108	0·81	0·94
Church	529	6888	6745	6020	51	52	103	15·2	53	42	95	15·7	12	116	0·66	1·66
Clayton-le-Moors	1059	8868	9342	8338	77	58	135	14·4	55	70	125	14·9	19	140	0·71	1·07
Clitheroe (Borough)	2385	12500	12127	10823	88	74	162	13·3	96	88	184	17·0	14	86	0·27	1·57
Colne (Borough)	5063	25689	23884	21316	146	138	284	11·8	160	195	355	16·6	26	91	0·98	0·84
Crompton	2865	14750	14965	13356	99	93	192	12·8	133	147	280	20·9	32	166	0·59	1·42
Croston	2347	2041	1990	1776	10	9	19	9·5	18	13	31	17·4	Nil.	Nil.	0 56	0·56
Dalton-in-Furness	7990	10763	15263	13622	190	194	384	25·1	153	125	278	20·4	48	125	1·10	1·32

MORTALITY FROM SUBJOINED CAUSES.

URBAN DISTRICTS.	Enteric fever.	Small-pox.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria and croup.	Influenza.	Erysipelas.	Pulmonary tuberculosis.	Tuberculous meningitis.	Other tuberculous diseases.	Cancer, malignant disease.	Rheumatic fever.	Meningitis.	Organic heart disease.	Bronchitis.	Pneumonia (all forms).	Other respiratory diseases.	Diarrhœa, &c. (under 2 years).	Appendicitis and typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and bright's disease.	Puerperal fever.	Parturition apart from puerperal fever.	Congenital debility and premature birth.	Violence, apart from suicide.	Suicide.	Other defined diseases.	Causes ill-defined or unknown	Special causes included in foregoing: Cerebro-spinal fever.	Special causes included in foregoing: Polio-myelitis.
Abram	3	..	..	..	4	..	22	..	6	..	1	3	..	1	4	4	9	..	3	..	..	..	3	..	..	6	8	1	18	..	..	..
Accrington (Borough)	1	..	3	1	7	8	57	3	42	4	9	49	1	11	54	49	67	8	3	2	3	..	20	..	2	25	13	2	151	6	..	..
Adlington	..	..	..	..	..	1	10	..	4	..	..	3	..	..	4	2	6	..	2	..	..	..	1	..	..	1	2	..	14	..	..	..
Ashton-in-Makerfield	2	..	24	1	19	5	91	..	10	5	2	15	..	..	16	26	28	3	7	3	3	..	10	..	..	18	9	..	61	4	..	..
Ashton-under-Lyne (Borough)	..	..	9	1	13	5	115	1	66	5	12	51	3	6	77	72	85	9	5	1	1	..	18	1	1	31	12	3	192	1	..	1
Aspull	1	..	1	..	7	1	47	..	7	1	2	8	..	..	5	9	34	1	8	1	..	..	1	1	2	8	3	2	18	1	..	..
Atherton	..	..	16	..	11	15	53	..	15	2	4	11	1	5	14	39	45	4	3	..	..	..	3	1	2	13	10	2	49	..	..	..
Audenshaw	..	..	..	..	..	..	18	..	4	..	..	5	..	2	7	10	14	1	3	1	..	..	5	..	..	4	2	..	28	..	..	..
Bacup (Borough)	..	..	8	..	17	..	40	..	18	1	..	22	..	1	37	41	49	3	2	..	..	..	10	..	3	23	5	1	103	1	..	..
Barrowford	..	..	6	..	1	..	9	..	4	..	..	10	1	..	8	9	3	1	..	..	..	..	3	..	..	1	1	1	16	..	..	..
Billinge	..	..	..	..	1	..	13	..	6	..	1	6	..	3	5	6	7	..	2	..	..	..	3	..	..	6	2	..	15	1	1	..
(a) Bispham-with-Norbreck	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	1	..	..	..	..	..	2	..	..	..
Blackrod	..	..	..	..	1	1	15	1	3	1	1	4	1	..	4	4	8	..	3	..	..	..	..	..	..	4	..	..	19	..	..	..
Brierfield	..	..	3	..	2	2	29	..	7	..	1	6	..	..	7	16	6	1	..	1	..	..	4	..	..	2	3	1	20	2	..	..
Carnforth	4	..	1	..	..	..	6	..	5	..	1	1	..	..	2	4	2	1	..	..	..	..	..	..	1	3	1	1	14	1	..	..
Chadderton	..	..	2	1	11	7	119	..	33	5	..	29	1	4	51	50	41	3	4	1	..	..	19	..	6	18	9	1	101	1	..	..
Chorley (Borough)	1	..	7	..	4	7	117	1	29	3	2	32	2	6	44	52	82	8	6	1	1	..	4	..	..	14	8	1	129	11	..	..
Church	..	..	1	..	2	1	7	..	10	1	..	9	1	1	3	5	12	1	..	..	1	..	3	..	..	4	3	..	30	..	..	..
Clayton-le-Moors	3	..	..	..	1	1	14	..	9	2	3	11	..	1	7	9	17	..	1	..	..	..	1	1	..	10	3	1	29	1	..	1
Clitheroe (Borough)	..	..	..	..	1	1	17	1	17	..	3	18	..	..	14	25	9	2	1	1	..	..	14	..	2	7	4	1	44	2	..	..
Colne (Borough)	2	..	4	..	3	10	81	..	18	1	3	19	..	3	46	25	22	1	2	2	..	..	4	..	..	13	2	3	89	2	..	..
Crompton	..	..	5	..	3	..	32	1	19	..	2	16	..	2	34	20	36	10	..	2	1	..	11	..	3	15	3	3	59	3	..	..
Croston	..	..	..	..	1	..	12	..	1	..	..	1	1	..	2	1	1	..	..	1	..	..	2	..	..	..	1	..	7	..	..	..
Dalton-in-Furness	..	..	..	..	7	4	53	..	18	5	5	18	1	1	19	21	22	3	4	2	..	..	2	2	1	22	4	2	60	2	..	..

(a) Populations adjusted to correspond with births and deaths registered prior to 1st April, 1918, on which date district transferred to Blackpool C.B.

TABLE B.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages. Census, 1911.	Estimate of Civil Population for 1918 *For Birth-rate.	†For Death-rate.	Births. Number Registered. M.	F.	Total.	*Birth-rate per 1,000.	Deaths. Number Registered. M.	F.	Total.	†Death-rate per 1,000.	Infant Mortality. Number of Deaths under One Year	Mortality per 1,000 Registered Births.	†Death-rate per 1,000 from the Seven principal Epidemic Diseases.	†Pulmonary Tuberculosis Death-rate per 1,000.	Mortality from subjoined Causes. Enteric fever.	Small-pox.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria and croup.	Influenza.	Erysipelas.	Pulmonary tuberculosis.	Tuberculous meningitis.	Other tuberculous diseases.	Cancer, malignant disease	Rheumatic fever.	Meningitis	Organic heart disease	Bronchitis.	Pneumonia (all forms).	Other respiratory diseases.	Diarrhœa, &c. (under 2 years).	Appendicitis and typhlitis.	Cirrhosis of liver.	Alcoholism.	Nephritis and Bright's disease.	Puerperal fever.	Premature birth (puerperal fever).	Congenital debility, malformation, prematurity.	Violence, apart from suicide.	Suicide.	Other defined diseases.	Causes ill-defined or unknown.	Special causes included in foregoing. Cerebro-spinal fever.	Poliomyelitis.
Darwen (Borough)	5959	40332	36814	32856	184	169	353	9·5	309	383	692	21·0	26	73	0·51	0·97	..	..	8	2	3	1	173	..	32	4	7	56	3	3	64	54	53	12	3	2	..	1	21	3	3	4	16	2	156	6	..	..
Denton	2594	16877	17328	15465	133	118	251	14·4	125	129	254	16·4	17	67	0·84	1·09	..	..	1	..	8	4	38	1	17	1	3	5	3	1	24	27	28	5	..	1	1	..	4	1	1	6	5	..	68	1	..	..
Droylsden	1009	13259	14260	12727	120	119	239	16·7	95	119	214	16·8	16	66	0·78	1·17	..	..	..	..	6	2	44	..	15	1	1	22	1	..	16	15	17	2	2	1	1	..	8	1	..	5	7	..	46	1	..	..
Eccles (Borough)	2057	41944	44452	39673	344	330	674	15·1	398	293	601	15·1	53	78	0·70	1·28	1	..	4	..	10	3	101	..	51	2	6	52	1	3	69	52	52	9	10	..	4	..	11	2	4	23	17	..	112	2	..	..
Failsworth	1072	15998	17093	15255	129	111	240	14·0	133	128	261	17·1	23	95	0·78	1·04	..	..	1	1	6	..	64	..	16	5	7	23	..	3	19	20	27	1	4	..	..	..	4	..	..	7	5	..	48	..	..	..
Farnworth	1504	28131	26844	23958	274	246	520	19·3	219	192	411	17·1	59	113	1·29	1·33	2	..	..	2	17	1	39	1	32	2	3	28	1	2	33	46	36	5	9	1	..	..	6	..	3	19	13	3	103	4	..	..
Fleetwood	2510	15875	16858	15046	173	150	323	19·1	140	125	265	17·6	31	95	0·99	1·46	..	..	7	..	4	1	56	..	22	3	5	18	..	2	22	16	29	5	3	1	1	..	4	1	1	8	9	..	43	4	..	..
Formby	5613	5947	5923	5286	42	34	76	12·8	38	41	79	14·9	2	26	0·75	0·75	..	..	1	..	..	3	7	..	4	2	..	5	..	..	20	1	9	2	..	..	3	..	1	..	..	1	2	..	18	..	..	..
Fulwood	2116	‡5871	5215	4654	32	35	67	12·8	60	61	121	25·9	3	44	Nil.	0·21	..	..	..	..	..	..	23	..	1	..	1	9	..	..	10	15	12	..	..	1	..	..	4	..	1	1	..	1	42	..	..	..
Golborne	1679	6931	7117	6352	82	58	140	19·6	45	45	90	14·1	12	85	1·41	0·62	1	..	..	1	3	..	15	..	4	..	..	4	..	3	8	5	10	2	4	2	..	..	2	..	1	4	..	1	20	..	1	..
Grange-over-Sands	1862	2232	2130	1901	9	10	19	8·9	15	25	40	21·0	3	157	0·52	2·10	..	..	..	..	..	1	5	..	4	..	..	5	..	..	7	1	2	1	..	..	..	..	..	..	..	1	1	..	12	..	..	..
Great Crosby	1867	12273	14091	12576	123	101	224	15·8	76	87	163	12·9	18	80	0·47	1·03	1	..	1	2	2	..	12	..	13	1	4	12	..	2	10	4	27	3	..	2	..	..	7	..	1	5	5	..	47	2	..	..
Great Harwood	2868	13815	13484	12034	87	70	157	11·6	96	100	196	16·2	20	127	0·33	0·91	..	..	..	..	2	1	38	..	11	..	7	22	..	3	13	9	24	2	1	3	1	..	5	..	..	8	2	3	39	2	..	..
Haslingden (Borough)	8196	18719	17326	15463	100	96	196	11·3	96	142	238	15·3	14	71	0·90	1·16	..	..	1	..	12	1	43	..	18	..	5	23	1	2	27	4	16	1	..	1	1	..	12	..	1	6	6	1	53	3	..	..
Haydock	2411	9649	9631	8596	143	143	286	29·6	94	75	169	19·6	44	153	3·02	1·16	..	..	10	2	5	1	19	..	10	..	..	10	2	2	10	15	19	1	8	1	1	..	2	1	..	15	4	2	29	..	..	..
Heysham	1835	3350	4083	3644	27	21	48	11·7	36	34	70	19·2	5	104	0·27	0·27	..	..	..	1	..	..	9	..	1	..	1	11	1	..	9	3	1	1	..	..	1	..	2	..	1	4	3	..	21	..	..	1
Heywood (Borough)	3658	26697	24602	21957	192	164	356	14·4	225	278	503	22·9	40	112	0·54	1·09	1	..	..	1	3	4	97	2	24	4	3	32	2	4	43	64	42	6	3	4	3	..	15	..	1	18	8	3	114	2	1	..
Hindley	2612	24100	24678	22025	300	265	565	22·8	190	214	404	18·3	73	129	1·45	0·68	4	..	..	1	14	6	53	..	15	1	6	14	5	3	16	46	88	2	7	..	1	..	7	2	4	20	13	2	71	3	..	..
Horwich	3257	16285	16117	14384	118	137	255	15·8	114	104	218	15·1	25	98	0·62	0·76	..	..	4	..	5	..	41	..	11	3	3	13	..	2	12	8	27	3	..	1	1	..	10	1	1	14	6	1	51	..	..	..
Hurst	638	7858	8392	7490	69	66	135	16·0	60	71	131	17·6	17	125	1·20	1·06	..	..	..	..	3	4	14	..	8	1	4	4	1	..	12	16	17	..	2	..	..	..	4	1	..	3	5	1	31	..	..	..
Huyton-with-Roby	3053	4559	4712	4205	48	32	80	16·9	56	22	78	18·5	11	137	1·18	0·71	..	..	..	..	..	2	19	..	3	..	..	3	..	..	4	9	8	2	3	..	..	..	2	..	..	1	4	..	18	..	..	..
Ince-in-Makerfield	2320	22034	23057	20578	296	288	584	25·3	211	211	422	20·5	65	111	1·70	1·60	4	..	6	..	13	..	59	..	33	..	5	12	1	3	21	49	78	2	12	..	..	..	7	..	2	23	9	2	76	5	..	..
Irlam	4629	6308	9524	8500	103	113	216	22·6	54	63	117	13·7	12	55	0·47	0·82	1	..	2	..	1	..	18	1	7	..	3	4	..	..	9	11	16	1	..	..	..	..	2	1	..	6	4	1	28	1	..	1
Kearsley	1004	9669	9711	8667	90	89	179	18·4	88	64	152	17·5	22	122	0·57	0·80	1	..	..	..	2	..	17	..	7	..	1	10	..	1	13	14	15	1	2	..	..	..	6	..	..	8	4	..	50	..	..	..
Kirkham	857	3793	3673	3278	34	34	68	18·5	23	34	57	17·3	4	58	1·22	1·22	..	..	..	..	..	4	9	..	4	1	..	3	..	..	1	2	8	..	..	..	..	..	..	1	..	2	..	1	21	..	..	..
Lancaster (Borough)	3506	‡38513	44396	39623	369	325	694	15·6	380	302	682	17·2	96	138	0·83	1·28	..	..	3	..	12	6	95	1	51	4	12	42	1	7	58	51	81	12	12	3	1	..	9	1	3	31	7	2	175	2	..	1

TABLE B.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages. Census, 1911.	Population at all ages. Estimate of Civil Population for 1918. *For Birth-rate.	Population at all ages. Estimate of Civil Population for 1918. †For Death-rate.	Births. Number Registered. M.	Births. Number Registered. F.	Births. Number Registered. Total.	Births. *Birth-rate per 1,000.	Deaths. Number Registered. M.	Deaths. Number Registered. F.	Deaths. Number Registered. Total.	Deaths. †Death-rate per 1,000.	Infant Mortality. Number of Deaths under One Year	Infant Mortality. Mortality per 1,000 Registered Births.	†Death-rate per 1,000 from the Seven principal Epidemic Diseases.	†Pulmonary Tuberculosis Death-rate per 1,000.
Lathom and Burscough ..	13641	7235	7665	6841	75	63	138	18·0	79	74	153	22·3	20	144	1·75	1·02
Lees	288	3650	4766	4254	35	43	78	16·3	48	61	109	25·6	15	192	2·35	0·47
Leigh (Borough)	6359	44103	46281	41304	479	460	939	20·2	358	381	739	17·8	135	143	1·64	1·47
Leyland	3725	8088	9333	8330	87	85	172	18·4	56	74	130	15·6	13	75	1·32	0·72
Litherland	857	14795	15295	13651	204	192	396	25·8	122	144	266	19·4	26	65	1·75	1·75
Littleborough.....	7856	11697	11731	10470	67	83	150	12·7	99	113	212	20·2	14	93	0·95	0·66
Little Crosby	1924	844	939	838	7	9	16	17·0	6	9	15	17·8	2	125	Nil.	2·38
Little Hulton	1699	8103	8593	7669	75	78	153	17·8	58	60	118	15·3	15	98	1·04	0·91
Little Lever	808	5194	4896	4370	36	32	68	13·8	38	33	71	16·2	8	117	3·20	0·91
Longridge	3285	4340	4303	3840	25	30	55	12·7	27	35	62	16·1	7	127	0·52	0·78
Lytham	2464	9463	10164	9071	54	50	104	10·2	59	59	118	13·0	2	19	0·11	0·33
Middleton (Borough)	4775	27980	28500	25436	197	175	372	13·0	220	220	440	17·2	30	80	0·86	1·17
Milnrow	5194	8584	8356	7458	52	48	100	11·9	73	87	160	21·4	11	110	2·01	1·20
Morecambe (Borough)	1801	12131	17331	15468	125	108	233	13·4	108	112	220	14·2	14	60	0·19	0·84
Mossley (Borough)	3624	13205	12666	11304	91	85	176	13·8	77	92	169	14·9	12	68	Nil.	0·88
Nelson (Borough)	3466	39479	38309	34190	193	189	382	9·9	225	287	512	14·9	43	112	0·58	0·99
Newton-in-Makerfield	3105	18451	18931	16896	185	200	385	20·3	137	128	265	15·6	24	62	0·53	1·18
Norden	5358	3797	3994	3565	37	16	53	13·2	32	34	66	18·5	5	94	0·28	0·84
Ormskirk	593	7407	6937	6191	86	58	144	20·7	53	65	118	19·0	13	90	0·48	2·09
Orrell	1617	6318	7002	6249	59	80	139	19·8	52	53	105	16·8	18	129	0·96	Nil.
Oswaldtwistle	4885	15714	14798	13207	118	117	235	15·8	119	112	231	17·4	29	123	1·51	1·28
Padiham	970	13635	11819	10548	92	64	156	13·1	81	98	179	16·9	22	141	1·89	1·04
Poulton-le-Fylde	915	2424	2635	2352	14	18	32	12·1	22	25	47	19·9	Nil.	Nil.	0·42	2·12
Preesall	3232	1718	1668	1489	9	9	18	10·7	14	7	21	14·1	1	55	Nil.	0·67
Prescot	409	8154	8968	8004	103	90	193	21·5	84	66	150	18·7	21	108	3·74	1·74
Prestwich	2448	‡14152	15925	14213	87	98	185	11·6	113	99	212	14·9	11	59	0·63	1·54

URBAN DISTRICTS.	Mortality from subjoined causes. Enteric fever.	Small-pox.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria and croup.	Influenza.	Erysipelas.	Pulmonary tuberculosis.	Tuberculous meningitis.	Other tuberculous diseases.	Cancer, malignant disease.	Rheumatic fever.	Meningitis.	Organic heart disease	Bronchitis.	Pneumonia (all forms).	Other respiratory diseases.	Diarrhœa, &c. (under 2 years).	Appendicitis and typhlitis.	Cirrhosis of liver.	Alcoholism.	Syphilis and its effects of disease.	Puerperal fever.	Parturition apart from puerperal fever.	Congenital debility, premature birth.	Violence apart from suicide.	Suicide.	Other defined diseases.	Causes ill-defined or unknown.	Special causes included in foregoing. Cerebro-spinal fever.	Special causes included in foregoing. Polio-myelitis.
Lathom and Burscough ..	..	..	8	..	..	1	31	..	7	2	3	7	..	3	15	8	11	1	3	1	..	..	1	1	2	8	5	1	30	4	2	..
Lees	4	..	..	..	5	..	17	..	2	..	..	5	2	1	28	5	9	1	1	..	..	..	1	..	..	7	1	1	19	..	..	..
Leigh (Borough)	3	..	3	1	26	14	125	1	61	3	9	28	1	5	66	88	65	5	21	2	..	..	10	..	3	48	25	2	120	4	1	1
Leyland	1	..	1	..	3	4	40	..	6	1	..	8	..	1	11	8	9	..	2	2	..	..	..	..	1	6	2	..	24	..	..	..
Litherland	..	..	6	4	2	3	48	1	24	1	4	18	1	..	13	16	32	6	9	..	..	..	8	2	1	7	7	..	51	2	..	..
Littleborough.....	1	..	1	..	8	..	46	1	7	2	4	11	1	1	14	21	13	1	..	..	..	..	8	..	..	5	6	1	60	..	..	1
Little Crosby	..	..	..	..	..	..	3	..	2	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1	..	4	1	..	..
Little Hulton	6	..	1	..	1	..	18	..	7	3	1	12	..	2	5	14	6	2	..	1	..	..	4	..	..	5	8	..	22	..	..	..
Little Lever	1	..	..	3	7	1	7	..	4	..	2	3	..	2	2	9	1	1	2	..	..	..	1	..	..	5	1	..	19	..	1	..
Longridge	..	..	..	..	..	1	8	..	3	..	..	1	..	..	15	5	6	..	1	..	..	..	1	..	..	2	2	..	17	..	..	..
Lytham	..	..	..	..	..	1	20	..	3	..	4	9	..	..	13	7	7	1	..	1	1	..	7	..	..	1	3	1	36	3	..	..
Middleton (Borough)	2	..	13	..	5	..	62	..	30	4	4	36	3	2	34	40	41	2	2	..	2	..	20	2	1	9	12	2	108	4	..	..
Milnrow	2	..	2	..	9	..	20	..	9	..	2	9	3	1	11	13	8	2	2	..	..	..	6	..	..	3	3	1	52	2	..	..
Morecambe (Borough)	..	..	..	..	..	2	32	..	13	..	2	14	1	1	31	14	11	4	1	1	1	..	4	..	1	6	4	2	73	2	..	..
Mossley (Borough)	..	..	..	..	..	..	27	..	10	..	1	18	..	3	13	24	3	4	..	..	..	..	12	..	..	7	2	1	44	..	..	..
Nelson (Borough)	..	..	9	2	2	4	69	..	34	1	7	40	3	3	69	49	29	8	3	3	3	..	10	..	4	17	4	5	130	4	1	.
Newton-in-Makerfield	..	..	1	..	3	..	52	..	20	1	2	17	1	2	18	7	33	1	5	..	2	..	11	1	2	9	11	1	63	2	1	..
Norden	..	..	1	..	..	..	12	..	3	..	2	1	..	1	9	3	1	1	..	1	..	..	1	..	..	4	1	..	24	1	..	..
Ormskirk	..	..	1	..	1	..	19	..	13	2	3	7	..	..	6	4	14	1	1	..	..	..	6	..	..	6	1	1	31	1	..	..
Orrell	..	..	2	..	1	..	36	..	..	..	..	4	..	1	12	5	6	1	3	1	1	..	3	..	..	9	2	..	17	1	..	..
Oswaldtwistle	1	..	8	..	6	5	21	..	17	..	1	16	..	2	21	28	20	5	..	..	1	..	5	..	1	12	5	..	54	2	..	..
Padiham	..	..	14	..	4	1	9	..	11	1	3	10	..	7	12	21	13	3	1	..	1	..	3	..	1	9	2	2	46	5	2	..
Poulton-le-Fylde	1	..	..	..	..	..	11	..	5	..	..	3	..	..	3	5	3	..	..	..	..	..	2	..	..	..	..	..	13	1	..	..
Preesall	..	..	..	..	..	..	5	..	1	..	..	..	..	..	4	2	5	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..
Prescot	..	..	6	..	1	20	18	..	14	3	1	7	..	2	3	7	10	1	3	1	1	..	6	2	2	8	5	..	29	..	..	..
Prestwich	..	..	..	..	4	3	31	..	22	1	2	18	..	1	23	8	20	2	2	2	..	..	5	..	1	4	4	..	57	2	..	..

TABLE B.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages. Census, 1911.	Population at all ages. Estimate of Civil Population for 1918 — *For Birth-rate.	Population at all ages. Estimate of Civil Population for 1918 — †For Death-rate.	Births. Number Registered. M.	Births. Number Registered. F.	Births. Number Registered. Total.	Births. *Birth-rate per 1,000.	Deaths. Number Registered. M.	Deaths. Number Registered. F.	Deaths. Number Registered. Total.	Deaths. †Death-rate per 1,000.	Infant Mortality. Number of Deaths under One Year	Infant Mortality. Mortality per 1,000 Registered Births.	†Death-rate per 1,000 from the Seven principal Epidemic Diseases.	†Pulmonary Tuberculosis Death-rate per 1,000.	Mortality from subjoined Causes. Enteric fever.	Small-pox.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria and croup.	Influenza.	Erysipelas.	Pulmonary tuberculosis.	Tuberculous meningitis.	Other tuberculous diseases.	Cancer, malignant disease.	Rheumatic fever.	Meningitis.	Organic heart disease.	Bronchitis.	Pneumonia (all forms).	Other respiratory diseases.	Diarrhœa, &c. (under 2 years).	Appendicitis and typhlitis.	Cirrhosis of liver.	Alcoholism.	Nephritis and Bright's disease.	Puerperal fever.	Parturition apart from puerperal fever.	Congenital debility, malformation, premature birth.	Violence apart from suicide.	Suicide.	Other defined diseases.	Causes ill-defined or unknown.	Special causes included in foregoing. Cerebro-spinal fever.	Special causes included in foregoing. Polio-myelitis.
Radcliffe	3082	25691	24461	21831	194	167	361	14·7	181	181	362	16·5	30	83	0·68	1·23	1	..	2	6	3	3	35	..	27	2	2	31	2	4	23	61	31	1	..	1	..	..	9	..	1	16	7	1	89	4	..	1
Rainford	5877	3503	3454	3083	40	38	78	22·5	17	27	44	14·2	1	12	0·64	0·64	..	..	..	1	1	..	14	..	2	..	..	3	..	1	3	4	..	..	..	..	..	..	3	..	1	..	1	1	8	1	..	..
Ramsbottom	6423	15146	15128	13502	87	82	169	11·1	98	132	230	17·0	15	88	0·66	0·74	1	..	2	..	..	3	38	..	10	..	2	25	..	3	19	11	20	1	3	..	..	..	6	..	1	7	4	..	73	1	1	..
Rawtenstall (Borough)	9535	30516	28272	25232	190	172	362	12·8	203	231	434	17·2	37	102	0·71	1·10	1	..	5	..	8	1	50	..	28	1	6	33	1	4	45	28	40	13	3	1	1	..	16	2	2	17	10	5	112	1	1	..
Rishton	2985	7441	7072	6312	37	52	89	12·5	44	52	96	15·2	5	56	0·31	0·79	..	..	..	..	1	1	19	..	5	..	1	9	1	..	6	11	18	..	..	..	1	..	3	..	..	1	2	..	17	..	..	..
Royton	2147	17069	16936	15115	141	101	242	14·2	161	187	348	23·0	38	157	0·66	1·45	..	..	..	..	7	..	68	..	22	2	7	25	1	5	30	35	28	6	3	..	1	..	12	1	..	13	5	3	72	2	..	..
St. Annes-on-the-Sea	3342	9837	11323	10106	41	52	93	8·2	53	64	117	11·5	4	43	0·59	0·59	2	..	1	..	2	..	15	..	6	..	3	12	..	..	18	3	4	1	1	..	..	..	8	..	..	..	2	3	36	..	..	..
Skelmersdale	1942	6822	7000	6247	82	87	169	24·1	63	60	123	19·6	21	124	1·28	1·28	..	..	3	..	3	..	34	..	8	2	..	1	..	4	9	10	15	4	2	1	..	..	2	1	4	7	1	..	12	..	..	..
Standish-with-Langtree	3266	7280	7510	6703	88	81	169	22·5	64	43	107	15·9	18	106	1·19	0·59	2	..	1	..	5	..	21	..	4	..	1	1	1	1	11	4	19	..	..	1	1	..	3	..	..	5	1	1	23	1	..	..
Stretford	3240	42496	45532	40636	279	294	573	12·5	273	296	569	14·0	36	62	0·54	1·00	2	..	3	..	5	6	102	1	41	2	5	60	1	6	50	41	46	6	6	4	..	..	16	..	..	10	12	2	140	2	..	..
Swinton and Pendlebury	2284	30759	30824	27510	278	231	509	16·5	220	243	463	16·8	51	100	0·61	1·45	2	..	1	..	6	5	95	..	40	1	4	22	2	2	38	31	66	8	3	1	1	..	13	1	1	16	17	..	87	..	..	..
Thornton	2996	4669	5261	4695	35	41	76	14·4	39	43	82	17·4	6	78	0·42	1·06	..	..	..	1	..	1	24	..	5	..	..	4	..	..	9	7	3	2	..	..	..	..	..	..	..	3	..	1	21	1	..	..
Tottington	2544	6769	6667	5950	39	34	73	10·9	47	65	112	18·8	6	82	0·67	2·18	..	..	..	..	..	4	19	..	13	..	2	12	..	..	15	5	3	1	..	1	..	..	1	..	..	3	2	1	30	..	..	..
Trawden	6815	2963	2747	2452	18	11	29	10·5	18	23	41	16·7	2	68	1·22	Nil.	1	..	2	..	..	..	6	..	..	..	..	3	..	..	9	2	3	1	..	..	..	..	2	..	..	..	..	..	12	..	..	..
Turton	17335	12648	12010	10719	56	63	119	9·9	64	84	148	13·8	8	67	0·93	0·46	..	..	1	..	7	..	23	..	5	..	1	14	1	2	10	21	11	2	2	..	1	..	4	..	..	2	3	3	35	..	..	..
Tyldesley-with-Shakerley	2490	15582	15080	13459	166	188	354	23·4	119	111	230	17·0	26	73	1·70	0·52	1	..	11	..	4	5	28	..	7	1	3	9	3	..	16	18	57	5	2	1	..	..	2	1	3	5	4	1	43	..	..	..
Ulverston	3172	9552	11537	10297	128	106	234	20·2	109	91	200	19·4	18	76	0·97	0·58	1	..	1	..	6	..	37	..	6	..	4	17	..	8	14	16	7	4	2	..	1	..	2	..	..	10	19	2	42	1	..	..
Upholland	4686	5233	5440	4855	48	56	104	19·1	38	46	84	17·3	12	115	1·44	0·61	2	..	..	..	2	..	21	..	3	1	..	4	..	..	6	2	3	2	3	..	..	..	..	..	..	4	4	..	25	2	..	..
Urmston	991	7912	8727	7789	55	65	120	13·7	50	45	95	12·1	7	58	0·25	0·89	..	..	..	..	..	..	9	..	7	..	1	14	..	3	11	7	4	1	2	1	1	..	3	..	1	2	..	..	28	..	..	..
Walton-le-Dale	4658	12350	11907	10627	84	83	167	14·0	85	92	177	16·6	13	77	0·09	1·41	..	..	..	..	..	1	33	..	15	1	2	6	2	..	14	18	14	3	..	..	..	..	6	..	1	9	10	1	40	1	..	..
Wardle	3192	‡3879	3509	3132	19	15	34	9·6	52	40	92	29·3	4	117	0·63	2·23	..	..	1	..	1	..	14	1	7	..	1	6	..	..	5	7	5	..	..	1	..	..	3	..	..	..	1	..	39	..	..	..
Waterloo-with-Seaforth	986	26396	28266	25227	300	256	556	19·6	208	223	431	17·0	48	86	0·91	1·22	..	..	10	3	5	2	54	1	31	2	6	41	..	2	31	24	54	3	3	..	2	..	11	..	2	13	3	..	123	5	1	..
Westhoughton	5560	15046	15372	13719	148	148	296	19·2	97	119	216	15·7	27	91	2·04	0·58	6	..	6	1	10	1	26	..	8	1	..	11	2	2	11	21	32	..	4	..	..	..	4	..	..	9	6	..	54	1	..	..
Whitefield	1404	6967	7108	6344	49	52	101	14·2	42	54	96	15·1	8	79	0·47	0·78	..	..	..	..	..	..	8	..	5	1	2	11	2	..	15	6	6	..	3	1	..	..	2	..	2	3	2	..	26	1	..	..
Whitworth	4483	8872	8007	7146	42	52	94	11·7	72	88	160	22·3	7	74	1·53	1·53	..	..	2	1	4	3	20	..	11	..	..	8	..	1	22	15	19	1	1	2	..	..	15	..	1	3	1	2	28	..	..	..
Widnes (Borough)	3093	31541	35479	31665	436	410	846	23·8	340	258	598	18·8	100	118	1·57	1·26	..	..	26	..	7	3	109	..	40	1	6	26	3	6	23	59	54	10	14	1	..	..	18	..	2	35	19	1	131	4	..	..

TABLE B.—Continued.

URBAN DISTRICTS.	Area in Statute Acres.	Population at all ages. Census, 1911.	Population at all ages. Estimate of Civil Population for 1918 *For Birth-rate.	Population at all ages. Estimate of Civil Population for 1918 †For Death-rate.	Births. Number Registered. M.	Births. Number Registered. F.	Births. Number Registered. Total.	Births. *Birth-rate per 1,000.	Deaths. Number Registered. M.	Deaths. Number Registered. F.	Deaths. Number Registered. Total.	Deaths. †Death-rate per 1,000.	Infant Mortality. Number of Deaths under One Year	Infant Mortality. Mortality per 1,000 Registered Births.	‡Death-rate per 1,000 from the Seven principal Epidemic Diseases.	‡Pulmonary Tuberculosis Death-rate per 1,000.
Withnell	3705	3399	3094	2761	24	18	42	13·5	20	27	47	17·0	5	119	0·36	0·36
Worsley	5413	13906	14661	13085	110	100	210	14·3	97	93	190	14·5	15	71	0·53	1·29
Total Urban Districts (c)	338850	1452410	1487722	1327775	12335	11618	23953	16·0	11326	11788	23114	17·4	2435	101	§0·99	1·10
RURAL.																
Barton-upon-Irwell	6793	9270	9840	8782	65	85	150	15·2	70	73	143	16·2	13	86	0·34	1·93
Blackburn	20150	‡8920	8616	7690	56	50	106	12·3	70	58	128	16·6	15	141	0·39	0·78
Burnley	41774	19848	18907	16874	108	119	227	12·0	118	129	247	14·6	18	79	0·35	0·88
Bury	12016	9043	9143	8160	61	52	113	12·3	83	72	155	18·9	14	123	0·49	0·85
Chorley	39988	21493	21898	19544	186	171	357	16·3	169	178	347	17·7	38	106	1·07	0·71
Clitheroe (Lancashire portion)	32168	6342	6500	5801	50	40	90	13·8	35	37	72	12·4	5	55	Nil.	0·17
(b) Fylde	38541	11450	11641	10390	94	75	169	14·5	89	79	168	16·1	14	82	0·57	0·57
Garstang	57380	10691	10836	9671	82	77	159	14·6	89	77	166	17·1	14	88	0·51	0·41
Lancaster	54503	9085	8882	7927	76	80	156	17·5	84	89	173	21·8	22	141	1·13	1·00
Leigh	11574	10077	10642	9498	125	97	222	20·8	77	89	166	17·4	22	99	1·78	0·52
Limehurst	4689	10566	9295	8296	70	76	146	15·7	63	66	129	15·5	17	116	0·48	1·08
Lunesdale	76267	6882	6721	5998	59	41	100	14·8	44	29	73	12·1	7	70	0·33	0·33
Preston	52929	‡18760	19447	17356	156	145	301	15·4	165	141	306	17·6	22	73	0·23	0·97
Sefton	14867	5953	4980	4445	50	41	91	18·2	37	29	66	14·8	6	65	1·12	1·34
Ulverston	127549	17019	18294	16327	136	165	301	16·4	129	120	249	15·2	25	83	0·73	0·85
Warrington	19355	‡11582	11909	10629	109	103	212	17·8	81	94	175	16·4	20	94	1·78	0·94
West Lancashire	61555	20683	19970	17823	178	168	346	17·3	153	163	316	17·7	28	80	0·67	0·78
Whiston	31179	‡18717	21632	19306	211	222	433	20·0	149	142	291	15·0	37	85	1·39	1·19
Wigan	11695	6327	6341	5659	52	52	104	16·4	37	42	79	13·9	7	67	0·53	1·23
Totals:— Rural Districts (c)	714972	232708	235494	210176	1924	1859	3783	16·0	1742	1707	3449	16·4	344	90	§0·77	0·88
Urban Districts (c)	338850	1452410	1487722	1327775	12335	11618	23953	16·0	11326	11788	23114	17·4	2435	101	§0·99	1·10
Administrative County (c)	1053822	1685118	1723216	1537951	14259	13477	27736	16·0	13068	13495	26563	17·2	2779	100	§0·96	1·07

Mortality from subjoined Causes.

URBAN DISTRICTS.	Enteric fever.	Small-pox.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria and croup.	Influenza.	Erysipelas.	Pulmonary tuberculosis.	Tuberculous meningitis.	Other tuberculous diseases.	Cancer, malignant disease	Rheumatic fever.	Meningitis.	Organic heart disease.	Bronchitis.	Pneumonia (all forms).	Other respiratory diseases.	Diarrhœa, &c. (under 2 years).	Appendicitis and typhlitis.	Cirrhosis of Liver.	Alcoholism.	Syphilis and Syphilitic disease.	Puerperal fever.	Parturition apart from puerperal fever	Congenital debility, premature birth.	Violence, apart from suicide.	Suicide.	Other defined diseases.	Causes ill defined or unknown.	Special causes included in foregoing. Cerebro-spinal fever.	Special causes included in foregoing. Polio-myelitis.
Withnell	..	..	..	..	..	1	13	..	1	2	..	4	..	1	3	..	5	..	..	..	..	..	2	..	..	3	1	..	10	1	..	..
Worsley	5	..	..	..	..	1	45	..	17	3	3	12	1	1	15	15	14	2	1	2	1	..	9	..	..	8	2	..	33	..	..	..
Total Urban Districts (c)	82	..	294	40	422	215	3852	20	1467	119	258	1517	75	190	1947	1950	2304	272	264	78	54	1	607	36	94	893	519	102	5295	147	14	8
RURAL.																																
Barton-upon-Irwell	..	..	..	..	1	1	23	..	17	..	2	8	..	1	10	13	8	4	1	..	..	..	3	..	..	5	3	1	42	..	..	..
Blackburn	1	..	..	..	..	1	19	..	6	1	1	14	1	1	16	5	15	..	1	..	..	..	5	..	..	9	2	1	29	..	..	..
Burnley	1	..	3	..	..	1	39	1	15	2	4	15	1	1	32	15	21	1	1	2	1	..	8	1	3	7	8	2	56	6	..	..
Bury	..	..	1	2	1	..	21	..	7	3	2	12	..	..	18	16	11	4	..	1	..	..	1	..	1	5	3	2	43	1	..	..
Chorley	1	..	10	..	3	1	94	..	14	..	1	17	..	1	25	22	32	1	6	4	2	..	4	..	4	9	11	2	76	7	..	.
Clitheroe (Lancashire portion)	..	..	..	..	..	..	8	..	1	..	2	7	..	1	7	4	5	..	..	..	..	..	7	1	..	2	2	1	22	2	..	..
(b) Fylde	2	..	..	1	3	..	33	1	6	1	..	6	..	1	15	15	18	1	..	..	..	..	3	..	1	6	6	..	45	4	..	..
Garstang	..	..	..	..	5	..	42	..	4	1	4	6	2	..	24	8	13	2	..	..	..	..	3	..	1	10	4	1	35	1	..	..
Lancaster	1	..	..	..	4	..	33	1	8	2	3	8	..	2	20	8	13	1	4	1	..	..	4	1	..	9	4	..	46	..	..	..
Leigh	..	..	3	..	6	5	36	..	5	1	1	6	..	4	11	12	19	2	3	..	..	..	1	..	1	8	4	3	34	1	..	1
Limehurst	..	..	..	..	2	1	19	..	9	1	..	5	..	..	14	10	13	1	1	..	..	..	3	1	..	5	2	..	41	1	..	..
Lunesdale	1	..	..	..	..	..	13	..	2	1	..	4	1	..	6	5	2	1	1	1	..	..	..	..	..	3	4	..	28	..	..	..
Preston	..	..	..	..	1	2	55	..	17	..	4	29	1	1	18	20	30	6	1	1	2	..	9	..	1	7	5	4	86	6	..	..
Sefton	..	..	..	..	3	1	7	..	6	1	1	4	1	..	6	4	6	1	1	1	..	..	6	..	..	2	2	..	13	..	..	..
Ulverston	..	..	..	2	9	1	46	..	14	1	6	17	1	3	17	12	18	3	..	1	2	..	2	1	1	9	7	3	71	2	1	..
Warrington	1	..	..	..	5	4	40	1	10	2	..	14	..	3	11	9	13	..	9	1	..	..	4	1	..	7	3	..	37	..	..	..
West Lancashire	..	..	1	1	3	4	70	..	14	1	3	21	..	2	29	20	27	9	3	2	..	..	12	..	1	13	5	1	72	2	..	..
Whiston	..	..	6	3	9	7	29	1	23	3	1	13	..	3	18	28	29	2	2	1	1	..	14	1	3	14	7	..	69	4	..	..
Wigan	1	..	1	..	1	..	13	..	7	..	2	4	..	..	6	5	7	2	..	1	..	..	..	1	1	3	..	..	23	1	..	..
Totals:— Rural Districts (c)	9	..	25	9	56	29	640	5	185	21	37	210	8	24	303	231	300	41	34	17	8	..	89	8	18	133	82	21	868	38	1	1
Urban Districts (c)	82	..	294	40	422	215	3852	20	1467	119	258	1517	75	190	1947	1950	2304	272	264	78	54	1	607	36	94	893	519	102	5295	147	14	8
Administrative County (c)	91	..	319	49	478	244	4492	25	1652	140	295	1727	83	214	2250	2181	2604	313	‖298	95	62	1	696	44	112	1026	601	123	6163	185	15	9

‡ Population in Public Institutions of persons not belonging to the district excluded.

§ The epidemic death-rates, including deaths from diarrhœa *at all ages* are—County, 1·13; Urban Districts, 1·16; Rural Districts, 0·90. ‖ Total diarrhœa, &c., deaths *at all ages*, 559.

(b) Populations adjusted to correspond with births and deaths relating to reduced area, and Census population reduced according to loss of part of Carleton transferred to Blackpool C.B. 1st April, 1918.

(c) The totals for the Urban Districts as regards Area, Census population, and Estimates of population are here given minus Bispham, transferred to Blackpool C.B., 1st April, 1918; the Rural Districts are reduced in accordance with footnote (b); the County totals relate to the area of the Administrative County on the 31st December, 1918.

The highest death-rates among the County districts in 1918 were Wardle 29·3, Fulwood 25·9, Lees 25·6, Aspull 23·5, Royton 23·0, Heywood (B) 22·9, Whitworth 22·3, Lancaster (R) 21·8, Milnrow 21·4, and Darwen (B) and Grange-over-Sands each 21·0.

The annual death-rate of a district with a comparatively small population is liable to considerable fluctuations and is not a reliable index to the state of health amongst its inhabitants. The following County districts have the highest mortality averages extending over a period of ten years: Lees 18·8, Ince-in-Makerfield 18·3, Kirkham 17·5, Ashton-under-Lyne (B) 17·4, Whitworth 17·3, Widnes (B) 17·2, Heywood (B) 17·0, Royton 16·8, Hindley and Hurst each 16·6, and Skelmersdale 16·5. The lowest death-rates in 1918 were recorded in Stretford 14·0, Wigan (R) 13·9, Turton 13·8, Irlam 13·7, Adlington 13·2, Lytham 13·0, Great Crosby 12·9, Clitheroe (R) 12·4, Urmston and Lunesdale (R) each 12·1, and St. Annes-on-the-Sea 11·5.

Transferable Deaths.—During the year under report the following transfers have been made :—3,486 persons, who, having a fixed or usual residence in the Administrative County, died in a district other than that in which they resided, and these (known as inward transfers) have been allocated to their proper districts ; 5,182 deaths occurring in the County area of persons not belonging thereto have been outwardly transferred.

Infant Mortality.—Of the total deaths from all causes registered in the Administrative County during 1918, 2,779 or 10·46 per cent. were of infants under the age of one year. The number of infant deaths exceeded those of the preceding year by 31, but there were 463 deaths fewer than in the year 1916, and 1,351 less than in 1915.

The County infant mortality rate, expressed per 1,000 registered births, corresponded to 100 (urban districts 101, rural districts 90), against a rate of 96 last year, 99 in 1916,

and 119 in 1915. Compared with the average of the ten years 1908-1917, there was a reduction in 1918 of 16 per 1,000 —18 per 1,000 in the urban districts and 4 per 1,000 in the rural districts. The County rate for 1918 was 3 per 1,000 in excess of the rate for the whole of England and Wales.

The following table gives the infant death-rates for the Administrative County, and those of England and Wales for the years 1908-1918 :—

	Rate of Deaths of Children under 1 Year to 1,000 Births.										
	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.	1909.	1908.
Urban Districts.	101	96	101	123	115	128	106	148	121	119	136
Rural Districts..	90	94	82	94	96	100	89	111	93	87	97
Administrative County	100	96	99	119	112	124	104	144	117	115	131
England and Wales.....	97	97	91	110	105	109	95	130	106	109	121

In the table below the infant mortality in 1918 is contrasted with the four preceding quinquennia :—

Years.	Birth-rate per 1,000 of Estimated Population.	Infant Mortality.		
		Rate of Deaths under One Year.		Percentage of Infant Deaths to Total Deaths at all ages.
		Per 1,000 Births.	Per 1,000 of the Estimated Population	
1898—1902	26·98	161	4·35	26·24
1903—1907	25·32	138	3·52	23·77
1908—1912	23·11	122	2·83	20·31
1913—1917	19·75	110	2·29	15·98
1918	16·08	100	1·80	10·46

The previous table shows a gradual reduction in the infant mortality rate coinciding with a steady fall in the birth-rate, the decline in 1918 as compared with the first quinquennial period shown (1898-1902) being 37 and 40 per cent. respectively.

In five County districts the infant death-rate in 1918 exceeded 150 per 1,000 births, in 47 districts the rate was between 100 and 150, in 63 districts between 50 and 100, and in 7 districts a rate of less than 50 was recorded.

In the following districts the highest infant death-rates were obtained :—

Lees	192	Lathom and Burscough	144
Crompton	166	Leigh (B.)	143
Grange-over-Sands ...	157	Padiham	141
Royton	157	Blackburn (R.) ...	141
Haydock	153	Lancaster (R.) ...	141
Aspull...	148	Clayton-le-Moors ...	140
Bacup (B.)	147		

Low rates were reported from Poulton-le-Fylde and Croston nil, Rainford 12, Lytham 19, Formby 26, St. Annes-on-the-Sea 43, and Fulwood 44.

Extending over a period of ten years, the undermentioned County districts had the highest infant death-rates :—

Kirkham	172	Hindley	145
Lees	162	Kearsley	143
Ince-in-Makerfield ...	159	Longridge	142
Farnworth	156	Aspull...	140
Orrell	156	Audenshaw	138
Ashton-under-Lyne (B.)	155	Padiham	138
Skelmersdale ...	151	Swinton & Pendlebury	138
Golborne	150	Heywood (B.) ...	135
Leigh (B.)	150	Hurst	134

The table below gives the infant deaths in 1918 from stated causes, compared with preceding years :—

Cause of Death.	Deaths under 1 year.				
	1918.	1917.	1916.	1915.	1914.
All Causes	2779	2748	3242	4130	4338
Small-pox	...	...	1	...	...
Measles	54	75	67	183	134
Scarlet Fever	1	3	2	5	4
Whooping Cough ...	184	86	108	145	173
Diphtheria and Croup ...	11	5	5	10	11
Erysipelas	3	7	5	8	3
Tuberculous Meningitis...	19	23	18	38	47
Other Tuberculous Diseases	21	31	29	58	82
Meningitis	34	50	47	70	92
Bronchitis	265	286	334	390	375
Pneumonia (all forms) ...	344	334	376	509	422
Diarrhœa and Enteritis	229	221	371	548	554
Congenital Debility, Malformations, Premature Birth, &c. ...	1002	1026	1200	1445	1562
Other Causes	612	601	679	721	879

Notification of Births Acts, 1907-1915.—The County Council is the Local Authority for the Administration of the Notification of Births Act, 1907, for the sanitary areas in which that Act had not been adopted at the time the 1915 Act became operative. This area consists of 80 districts, and, in addition, two other districts in which the Act had been adopted by the Local Authority are, by arrangement, included in the County Council's child welfare area.

From the above-mentioned area—82 districts—notifications were received in 1918 by the County Medical Officer of

Health respecting 11,191 births, and copies of these were forwarded, week by week, to the County Health Visitors. The actual number of births registered in these districts totalled 12,290.

Maternity and Child Welfare.—Health Visitors.—At the end of the year 1918 the County Health Department had a staff of 15 nurses carrying out home visiting for child welfare purposes in the areas shown in *Table II.*

Table (I.)—	Estimated Population for calculation of Birth-rate.	No. of Births registered in 1918.
52 Districts (16 boroughs, 35 urban, and 1 rural) in which health visitors, either whole or part time, have been appointed by the local Sanitary Authorities	1,094,779 ...	17,514
69 Districts (1 borough, 50 urban, and 18 rural) included in the County Council's scheme of home visitation	603,835 ...	9,862
1 District (Heywood borough) in which no health visitor has been appointed. Scheme under consideration ...	24,602 ...	356
	1,723,216	27,732

Table (II.) gives the districts included in the County Council's Child Welfare Scheme :—

URBAN DISTRICTS.

Adlington—C.C. Branch Centre established for sale of dried milks, &c., 7th March, 1919.

Aspull

Audenshaw—C.C. Child Welfare Centre opened 14th October, 1918.

Barrowford

Billinge

Blackrod

Carnforth

Church

Croston
Dalton-in-Furness—C.C. Child Welfare Centre opened 20th September, 1917
Droylsden—Child Welfare Centre taken over by C.C. 1st March, 1919
Fleetwood
Formby
Fulwood
Grange-over-Sands
Great Crosby
Heysham
Huyton-with-Roby
Kearsley
Kirkham
Lathom and Burscough
Lees—School for Mothers established (voluntary)
Leyland—C.C. Child Welfare Centre opened 5th Sept., 1918
Litherland—C.C. Child Welfare Centre shortly to be established
Little Crosby
Little Hulton—C.C Branch Centre established for sale of dried milks, &c., 24th Feb., 1919.
Little Lever
Longridge
Lytham
Morecambe (B.)
Norden
Ormskirk
Poulton-le-Fylde
Preesall
Prescot—C.C. Child Welfare Centre opened 5th Dec., 1918
Rainford
Rishton
St. Annes-on-the-Sea
Skelmersdale
Standish-with-Langtree
Thornton
Tottington
Trawden
Turton
Ulverston—C.C. Child Welfare Centre opened 11th Sept., 1917
Urmston
Walton-le-dale—C.C. Child Welfare Centre opened 26th March, 1919
Whitefield—C.C. Child Welfare Centre opened 23rd April, 1918
Whitworth—C.C. Child Welfare Centre opened 4th June, 1918
Withnell—Babies' Welcome established (voluntary)
Worsley—C.C. Child Welfare Centre at Worsley, opened 6th Feb., 1918. Additional Centre opened at Walkden 20th March, 1919

RURAL DISTRICTS.

Blackburn
Bury
Lancaster
Whiston
Burnley
*Chorley
Clitheroe
Fylde
Garstang
} Not yet being visited.

Leigh
Limehurst
Lunesdale
Preston
Sefton
Ulverston
Warrington
West Lancashire
Wigan
} Not yet being visited.

* Rural Authority have appointed a whole-time health visitor.

Table (III.)—Summary of visits paid by the 15 County Health Visitors during 12 months ended 31st December 1918 :–

	Quarter ended.				
	31st March.	30th June.	30th Sept.	31st Dec.	Total
HOME VISITS :—					
Births—1st Visits	2758	2103	1577	1183	7621
Re-visits	5950	7726	7403	6594	27673
	8708	9829	8980	7777	35294
OTHER MATTERS—					
Special matters, *i.e.*, visits to older children, to expectant mothers, interviews with officials of Local Councils, Relieving Officers, Inspectors for the Prevention of Cruelty to Children, &c. ...	420	530	347	375	1672
Visits *re* cases of Ophthalmia Neonatorum and other matters	40	52	39	50	186
Reports to C.M.O.H. on Insanitary conditions at houses visited	45	49	50	44	188

Table (*IV.*) Child Welfare Centres.—The following particulars relate to the County Council Child Welfare Centres established prior to the 31st December, 1918 :—

District and Date of opening	Situation of premises	Day and Time Centre open
Ulverston (11th Sept., 1917)	Virginia House, Ulverston	Tuesday, 2–4 p.m.
Dalton-in-Furness (20th Sept., 1917)	Carnegie Library, Dalton	Thursday, 2–4 p.m.
Worsley (6th Feb., 1918)	Worsley Dispensary, Barton Road	Wednesday, 3–4 p.m.
Whitefield (23rd April, 1918)	The "Uplands," Whitefield	Tuesday, 2-30–4 p.m.
Whitworth (4th June, 1918)	The Registry Office, Station Road, Facit	Tuesday, 2-45–4 p.m.
Leyland (5th Sept., 1918)	Congregational Church, Quin Street, Leyland	Thursday, 2-30–4 p.m.
Audenshaw (14th October, 1918)	Hooley Hill Independent Church, Bridge Street, Audenshaw	Monday, 2-30–4 p.m.
Prescot (5th Dec., 1918)	Congregational Schools, Aspinall St., Prescot	Thursday, 2-30–4 p.m.

TABLE (V.).—Lancashire County Council Child Welfare Centres.

Summary of Attendances, &c., year ended 31st December, 1918.

Centres :—	Ulverston	Dalton-in-Furness	Worsley	Whitefield	Whitworth	Leyland	Audenshaw	Prescot
Centre Opened :—	11th Sept. 1917	20th Sept., 1917	6th Feb., 1918	23rd April, 1918	4th June, 1918	5th Sept., 1918	14th Oct., 1918	5th Dec., 1918
No. of times Centre open	48	50	42	25	18	16	12	2
Total Attendances :–								
Children under 1 year	209	103	246	325	109	142	136	59
,, 1—2 years	32	19	42	55	4	31	46	10
,, Over 2 years	39	38	1	8	3	39	—	3
Number of Individual Children Attending–								
Under 1 year ...	56	41	61	171	71	57	45	50
1—2 years ...	14	12	11	29	4	22	17	10
Over 2 years ...	21	19	1	7	3	15	—	3
Expectant Mothers :								
No. of attendances	—	3	—	1	—	14	2	3
Other Women :—								
No. of attendances	10	7	—	197	—	92	20	6

Table (*VI.*) shows the action taken by local Sanitary Authorities in the establishment of Child Welfare Centres and the appointment of Health Visitors :—

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Abram	Infant Welfare Centre	Whole time
Accrington (B.) ...	Do.	Do.
Ashton-in-Makerfield	Do.	Do.
Ashton-under-Lyne (B.)	Two Do.	Do. (3)
Atherton	Do.	Do.
Bacup (B.)	Do.	Health Visitor also acts as School Nurse.
Brierfield	Do.	Whole time
Chadderton	Maternity and Infant Welfare Centre opened June, 1918	Do. (1) Part time (1)
Chorley (B.)	Two Maternity and Infant Welfare Centres (One opened March, 1918). Night and day nursery acquired, but not yet opened.	Whole time (2)
Clayton-le-Moors ...	... ...	Whole time
Clitheroe (B.) ...	Maternity Centre	Health Visitor also acts as School Nurse
Colne (B.)	Do.	Whole time
Crompton	Centre being formed	Do.
Darwen (B.)	Two Maternity and Infant Welfare Centres. Day Nursery opened February, 1918.	Do.
Denton	Maternity and Infant Welfare Centre	Do.

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Eccles (B.)	Mothers' and Babies' Welcome Club	Whole t me (2) and Mate nity Superintendent
Failsworth	Infant Welfare Centre	Whole time
Farnworth	Maternity Centre	Do. (2)
Golborne	... ...	Joint with Haydock
Great Harwood ...	Maternity and Infant Welfare Centre	Part time
Haslingden (B.) ...	Infant Welfare Centre	Whole time
Haydock	... ...	Joint with Golborne
Heywood (B.) ...	Scheme for a Maternity and Infant Welfare Centre—including the appointment of a Health Visitor—under consideration	
Hindley	Maternity Centre. Antenatal Clinic	Whole time (1) Part time (1)
Horwich	Infant Welfare Centre	Whole time
Hurst	School for Mothers, and Infant Consultations	Do.
Ince-in-Makerfield ...	Two Infant Welfare Centres	Whole time (2)
Irlam	MaternityCentre in each Ward—Irlam and Cadishead	Part time
Lancaster (B.) ...	Mothers' and Babies' Welcome	Four Health Visitors who also act as School Nurses
Leigh (B.)	Babies' and Mothers' Welfare Centre	Whole time (2)
Littleborough ...	... ...	Joint with Milnrow and Wardle

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Middleton (B.) ...	Infant Welfare Centre	Whole time
Milnrow	... ...	Joint with Littleborough and Wardle
Mossley (B.)	Maternity and Infant Welfare Centre	School Nurse acts as Health Visitor
Nelson (B.)	Infant Welfare Centre	Whole time (2)
Newton-in-Makerfield	Do.	Do.
Orrell	Do.	District Nurse acts as Health Visitor
Oswaldtwistle ...	Infant Welfare Centre	Whole time
Padiham	Maternity and Infant Welfare Centre	Do.
Prestwich	... ...	Do.
Radcliffe	... ...	Health Visitor, who also visits cases of measles, &c.
Ramsbottom	Infant Welfare Centre	Whole time
Rawtenstall (B.) ...	Centres are being formed	School Nurse acts as Health Visitor, assisted by six part-time District Nurses who give half day per week
Royton	... ...	Whole time
Stretford	Baby Clinic	Do.
Swinton & Pendlebury	Baby Clinic and School for Mothers	Do. (2)
Tyldesley-with-Shakerley	Maternity and Infant Welfare Centre	Do.
Upholland	... ...	Part time
Wardle	... ...	Joint with Milnrow and Littleborough

District.	Mother and Child Welfare Centre.	Health Visitors appointed.
Waterloo-with-Seaforth	Maternity and Infant Welfare Centre ; also School for Mothers	Whole time
Westhoughton ...	Infant Welfare Centre	Do.
Widnes (B.)	Do.	Do. (2)
Barton-upon-Irwell (R.)	Do. at Clifton, and one about to be opened at Flixton	Do.

Supply of Food and Milk for Expectant mothers and of Milk for Infants.—Under the Milk (Mothers and Children) Order, 1918, and the Food Control Orders, action was taken in 1918 in at least 54 County districts in regard to the supply of milk and in some instances other articles of food to expectant or nursing mothers and young children. The County Health Visitors have rendered assistance in many districts. Towards the end of the year arrangements were made for the supply of dried milk at certain of the County Child Welfare Centres.

The Principal Epidemic Diseases.—For statistical purposes under this head are grouped together small-pox, measles, scarlet fever, diphtheria (including membranous croup), whooping cough, fever (comprising enteric, typhus, and continued fever), and *diarrhœa and enteritis.

The deaths assigned to these diseases in the aggregate numbered 1,479 (urban districts 1,317, rural districts 162) or 244 in excess of the total for the year 1917.

* See note, next page.

The following table compares the notified cases and the deaths in 1918 with the previous year :—

	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping cough.	Enteric fever.	*Diarrhœa.
Notified cases :—							
1918...	1	21379	1961	1592	†	319	†
1917...	...	27423	2655	1440	†	302	†
Increase or decrease in 1918	+1	−6044	−694	+152	...	+17	...
Deaths :—							
1918...	...	319	49	244	478	91	*298
1917...	...	428	56	212	175	74	*290
Increase or decrease in 1918	...	−109	−7	+32	+303	+17	+8

* The Registrar-General, in his statistics for the whole country, includes under the heading of Diarrhœa and Enteritis *only* those deaths occurring amongst children *under the age of two years*, and for comparative purposes the Administrative County deaths and death-rates since 1916 have been similarly classified; in preceding years the County diarrhœa totals and rates included deaths *at all ages*. The *total* diarrhœa deaths in the Administrative County in 1918 numbered 559, or 19 less than in 1917.

† Not notifiable.

The County death-rate in 1918 from these epidemic diseases, calculated per 1,000 of the estimated civilian population was 0·96 (urban districts 0·99, rural districts 0·77), an increase as compared with the year 1917 of 0·18, 0·16, and 0·27 per 1,000 respectively.

The following table gives the epidemic death-rates for the County during 1918, compared with the 10 years 1908-1917 :—

Year.	Annual Death-rate per 1,000 of the population.							
	Principal Epidemic Diseases	Small-pox.	Measles.	Scarlet Fever.	Diphtheria (including Membranous Croup).	Whooping Cough.	* Enteric Fever.	† Diarrhœa and Enteritis.
1908	1·37	0·0005	0·18	0·10	0·16	0·24	0·12	0·54
1909	1·06	nil.	0·35	0·12	0·15	0·14	0·10	0·18
1910	1·00	nil.	0·15	0·10	0·11	0·23	0·10	0·29
1911	2·25	nil.	0·29	0·08	0·14	0·15	0·12	1·43
1912	1·12	nil.	0·30	0·05	0·12	0·24	0·08	0·30
1913	1·57	nil.	0·31	0·05	0·11	0·13	0·10	0·85
1914	1·25	nil.	0·28	0·09	0·13	0·18	0·07	0·48
1915	1·52	nil.	0·49	0·08	0·14	0·20	0·07	0·52
1916	‡0·88	0·003	0·17	0·06	0·15	0·14	0·05	‡0·27
1917	‡0·78	nil.	0·27	0·03	0·13	0·11	0·04	‡0·18
County Average 10 years.	‡1·28	0·0003	0·27	0·07	0·13	0·17	0·08	‡0·50
‡1918								
COUNTY	**0·96**	**nil.**	**0·20**	**0·03**	**0·15**	**0·31**	**0·05**	**0·19**
Urban	0·99	nil.	0·22	0·03	0·16	0·31	0·06	0·19
Rural	0·77	nil.	0·11	0·04	0·13	0·26	0·04	0·16

* Prior to 1911 the "fever" death-rate included deaths from typhus and continued fevers (if any). † Enteritis deaths included since 1911. ‡ Since 1916 the County epidemic death-rates and diarrhœa death-rates include deaths from diarrhœa and enteritis under two years of age *only*. Including the total diarrhœa deaths at all ages the County epidemic death-rate in 1918 was 1·13, and the diarrhœa death-rate 0·36. In 1917 these rates were 0·97 and 0·36 respectively.

The epidemic death-rate of each County district is shown in Table B, page xvi.

In 29 districts	the rate	was	below 0·5 per 1,000	(45)
50	,,	,,	between 0·5 and 0·10 per 1,000	(42)
35	,,	,,	between 1·0 and 2·0 per 1,000	(31)
5	,,	,,	between 2·0 and 3·0 per 1,000	(2)
3	,,	,,	over 3·0 per 1,000	(2)

The figures in parentheses give the numbers of districts with the specified rates in 1917.

The following County sanitary districts had the highest epidemic death-rates per 1,000 of the population in the year under report :—Prescot 3·74, Little Lever 3·20, Haydock 3·02, Ashton-in-Makerfield 2·83, Atherton 2·54, Aspull 2·51, Lees 2·35, and Milnrow 2·01.

In the undermentioned districts the epidemic death-rate extending over a period of 10 years is much above the average : Ince-in-Makerfield 3·21, Aspull 2·90, Golborne 2·69, Widnes (B.) 2·52, Hindley 2·46, Leigh (B.) 2·38, Ashton-in-Makerfield 2·33, Orrell 2·32, and Tyldesley-with-Shakerley 2·31.

Small-pox.—During 1918 only one case of small-pox was notified, viz., at Irlam in April. The County Public Health Staff co-operated with the local officials, and the patient was removed to hospital, the house was disinfected, over 200 persons were vaccinated or re-vaccinated, and soldiers on leave in the locality were detained for the incubation period.

The incidence of small-pox in the Administrative County since 1890 is given below :—

Year.	Cases.	Deaths	Year.	Cases.	Deaths.
1890.....	1	0	1905.....	255	6
1891.....	2	0	1906.....	233	0
1892.....	612	70	1907.....	13	1
1893.....	1038	84	1908.....	2	1
1894.....	259	25	1909.....	7	0
1895.....	100	19	1910.....	23	0
1896.....	83	10	1911.....	21	0
1897.....	3	0	1912.....	1	0
1898.....	6	1	1913.....	10	0
1899.....	16	1	1914.....	14	0
1900.....	59	3	1915.....	3	0
1901.....	6	0	1916.....	46	6
1902.....	436	22	1917.....	0	0
1903.....	1156	68	**1918**.....	1	0
1904.....	422	22			

Measles.—In the Administrative County area 319 deaths were due to measles during the year 1918, as compared with 428 deaths in 1917, 286 in 1916, and 817 in 1915.

The ages at death in 1918 were as follow :—

Under 1 year	54 or 16·9 per cent.
Between 1 year and 5 years	232 or 72·7 per cent.
Five years and upwards ...	33 or 10·3 per cent.

The County death-rate from this disease corresponded to 0·20 per 1,000 of the estimated civilian population, the rates for the County urban and rural districts being 0·22 and 0·11 per 1,000 respectively. In the year 1917 the rate was 0·27, 0·17 in 1916, 0·49 in 1915, and the mean of the 10 years 1908-1917 was 0·27. The measles death-rate for the whole of England and Wales in 1918 was 0·28.

The following County districts had the highest death-rates from this disease : Padiham 1·32 per 1000, Barrowford 1·21, Ashton-in-Makerfield 1·17, Haydock and Lathom and Burscough each 1·16, Atherton 0·90, Widnes (B.) 0·82, Trawden and Tyldesley-with-Shakerley each 0·81, and Prescot 0·74.

With a view to curtailing the spread of measles, school closure was adopted in 54 districts.

Under the Public Health (Measles and German Measles) Regulations, 1915, 21,379 cases of these diseases were notified, compared with 27,423 in the preceding twelve months. The incidence of the disease was most marked in the first six months of the year, when 85 per cent. of the total notifications were received.

The case mortality in 1918 was 1·49 per cent., against 1·56 in the years 1917 and 1916.

Scarlet Fever.—The decline in the number of scarlet fever notifications and fatalities continued, as will be seen from the following statement :—

		Cases Notified.		Deaths.
1918	.....	1,961	.....	49
1917	.....	2,655	.....	56
1916	.....	5,176	.....	113
1915	.....	7,526	.....	141
1914	.....	8,275	.....	169

The scarlet fever death-rate, corresponding to 0·03 per 1,000 of the population, is exactly the same as in the preceding year—the lowest recorded for the County. The case mortality was 2·49 per cent., as compared with 2·27 the mean of the preceding 10 years. Of the total deaths 55·1 per cent. were amongst children under the age of five years.

Notifications were highest in Waterloo-with-Seaforth 106 (3 deaths), Haydock 69 (2 deaths), Eccles (B.) 66 (no deaths), Litherland 61 (4 deaths), Great Crosby 57 (2 deaths), and Radcliffe 51 (6 deaths).

Of the total cases notified 50·5 per cent. were removed to hospital, against a percentage of 55·1 in 1917 and 47·1 in 1916.

In 31 districts over 80 per cent. of the notified cases were isolated in hospital.

In 3 districts school closure was resorted to on account of this disease.

Whooping Cough.—The fatalities due to this disease numbered 478, or 303 in excess of the 1917 total.

The ages at death were :—

Under 1 year	184 or 38·5 per cent.
Between 1 year and 5 years	265 or 55·4 per cent.
Five years and upwards ...	29 or 6·0 per cent.

The County mortality rate was 0·31 per 1,000 of the population, an increase of 0·20 as compared with the year 1917. The rate for England and Wales in 1918 was 0·29.

The deaths were most numerous in Leigh (B.) 26, Ashton-in-Makerfield 19, Bacup (B.) and Farnworth each 17, Hindley 14, Ashton-under-Lyne (B.) and Ince-in-Makerfield each 13, and Haslingden (B.) and Lancaster (B.) each 12.

School closure took place in 9 districts on account of the prevalence of whooping cough.

Diphtheria and Croup.—During the year 1918 the cases notified were 1,592, and the deaths 244, as compared with 1,440 cases and 212 deaths in 1917, an increase of 152 cases and 32 deaths. The percentage of deaths to cases in 1918 was 15·3, against 14·7 in 1917.

The County death-rate was 0·15 per 1,000 —urban districts 0·16, rural districts 0·13— as against a rate of 0·13 last year, 0·15 in 1916, and an average of 0·13 for the 10 years 1908-1917. The rate for England and Wales in 1918 was 0·14.

Of the deaths, 47·5 per cent. were amongst children under five years of age.

The incidence was greatest in Colne (B.) 135 (10 deaths), Atherton 107 (15 deaths), Prescot 71 (20 deaths), Heywood (B.) 70 (4 deaths), Waterloo-with-Seaforth 66 (2 deaths), Leigh (B.) 44 (14 deaths), Whiston (R.) 44 (7 deaths), and Litherland 41 (3 deaths).

Of the total cases 738 or 46·3 per cent. were removed to hospital, with a case mortality of 13·68 per cent. ; 854 cases were treated at home, case mortality 16·74.

Schools were closed in 4 districts. From 59 districts 950 swabs were sent for examination.

Enteric Fever.—It will be noted from the tabular statement below that the enteric fever cases and deaths in 1918 were each 17 in excess of the 1917 totals.

	Cases.	Deaths.		Cases.	Deaths.
1898	2661	478	1909	994	192
1899	2674	457	1910	1016	193
1900	2183	399	1911	1091	220
1901	2094	364	1912	620	147
1902	1747	297	1913	875	180
1903	1479	277	1914	650	123
1904	1235	233	1915	530	127
1905	1335	255	1916	387	94
1906	1248	252	1917	302	74
1907	859	164	**1918**	**319**	**91**
1908	1219	224			

The attack-rate per 1,000 of the estimated population, which in 1898 was 1·41, was only 0·20 in the year under report. The case mortality in 1918 corresponded to 28·5 per cent.

The County enteric fever death-rate in 1918 was 0·05 per 1,000—urban districts 0·06, rural districts 0·04. The rate for England and Wales was 0·03.

Sixty per cent. of the total persons attacked with enteric fever were removed to hospital. The hospital case mortality was 25·52 per cent., against home mortality 33·07 per cent.

In 35 districts no cases were notified.

From 54 districts, 328 blood specimens were submitted for examination, against 194 specimens from 50 districts in 1917.

Under Article XV. of the Public Health (Pneumonia, Malaria, Dysentery, &c.) Regulations, 1919, power is given to a Medical Officer of Health to deal with any person who is a carrier of enteric fever infection.

Diarrhœa and Enteritis.—Diseases classified under this heading accounted for 559 deaths *at all ages*, against 578 in 1917.

The Registrar-General in his statistics now includes under this heading *deaths of children under two years of age only.* The County deaths in 1918 of children under this age were 298, or 8 more than in the preceding twelve months.

The County diarrhœa and enteritis death-rate, if calculated on the *total deaths at all ages* from these diseases corresponded to 0·36 per 1,000 of the estimated civil population (urban districts 0·37, rural districts 0·29), exactly the same rate as in the year 1917. If only deaths *amongst children under two years of age* are taken into consideration, the County death-rate was 0·19 per 1,000 (urban districts 0·19, rural districts 0·16), as compared with 0·18 in the year 1917, and 0·27 in 1916.

Of the total diarrhœa deaths (559), 229 or 40·9 per cent. were amongst children under one year of age, 116 or 20·7 per cent. children between one and five years, and 214 or 38·3 per cent. persons over five years of age.

The County diarrhœa and enteritis deaths amongst children under two years of age amounted to 10·74 per 1,000 of the total births in 1918, approximating closely to the rate for the whole of England and Wales, which was 10·99.

The diarrhœa and enteritis death-rate *in children under two years of age* was greatest in Aspull 1·11 per 1,000, Haydock 0·93, Blackrod 0·88, Warrington (R.) 0·84, Huyton-with-Roby 0·71, Litherland 0·65, Golborne 0·62, and Upholland 0·61.

On the 11th July, 1918, the Local Government Board issued a Memorandum warning Local Sanitary Authorities of the special danger to infant life and health likely to arise during the hot weather from attacks of epidemic diarrhœa. Special stress is laid in the Memorandum on the importance of efficient scavenging during the summer months.

Acute Poliomyelitis.—Under this head 9 deaths were registered in 1918, against 6 deaths in each of the years 1917, 1916, and 1915. Cases notified under the Regulations of August, 1912, according to the returns of local Medical Officers of Health, numbered 11, but three of the deaths above referred to were not amongst the notified cases. In 1917, 15 cases were notified.

Cerebro-Spinal Fever.—There were 15 deaths from this disease, as compared with 19 in 1917, 8 in 1916, and 23 in 1915. According to the local health reports, 17 cases were notified, but of the 15 deaths 4 were cases not reported.

On the 1st April, 1918, the Local Government Board issued the Public Health (Cerebro-Spinal Fever) Regulations authorising County Councils and County Borough Councils to provide or arrange for (1) the provision of serum for the treatment of cases or suspected cases of cerebro-spinal fever occurring amongst the inhabitants of the County or Borough, together with the necessary apparatus for the use of the serum, and (2) for the examination of any person who is suspected to be suffering from the disease or who has been in contact with a person suffering or suspected to be suffering from the disease.

By General Order, dated 16th June, 1919, the above Regulations were rescinded, and new Regulations were made providing for the "*treatment*" of any person in addition to (1) and (2) set out above.

Acute Encephalitis Lethargica and Acute Polio-encephalitis.—By Regulations, dated 17th December, 1918, these diseases were made compulsorily notifiable for a period of one year from the 1st January, 1919.

Ophthalmia Neonatorum.—Under "The Public Health (Ophthalmia Neonatorum) Regulations, 1914," 232 cases were notified, against 246 cases in 1917, and 250 in 1916. The occurrence of cases of this disease is further referred to on page lxxv. in connection with the work carried out under the Midwives Act.

Influenza.—Two serious epidemics of influenza occurred during the year 1918, and ~~4,429~~ 4492 deaths were ascribed to this disease, against 269 deaths in the preceding year.

The deaths in 1918 from influenza gave a rate of 2·90 per 1,000 of the estimated population, or 16·91 per cent. of the total deaths from all causes.

The ages at death were as follow :—

All Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.
4492	86	123	279	501	631	1548	927	397

Of the total deaths, 1,951 were males and 2,541 females.

The disease first assumed epidemic proportions in July, in which month over six hundred fatalities occurred in the Administrative County. The mortality in August and September was almost normal, but there was a recrudescence in October, and during the fourth quarter of the year more than one half of the total deaths occurred— well over two thousand.

Reference is made in almost every district report to the severe outbreak, and school closure was resorted to in 106 districts.

In the following districts the influenza mortality rate was excessive : Croston 6·75 per 1,000, Aspull 6·56, Orrell 5·76, Skelmersdale 5·44, Darwen (B.) 5·26, Thornton 5·11, Fulwood 4·92, Leyland and Chorley (R,) each 4·80, Withnell 4·70, Poulton-le-Fylde 4·67, Rainford 4·54, Lathom and Burscough 4·53, Huyton-with-Roby 4·51, &c.

The Public Health (Influenza) Regulations, dated 18th November, 1918, prescribed certain precautions to be adopted at every place of public entertainment. Further Regulations (No. 2), dated 22nd November, 1918, provided that where a public elementary school had been temporarily closed on account of the prevalence of influenza, children should not be admitted to a cinematograph exhibition in that district during the continuance of the closure of such school.

Both these Regulations were rescinded on the 6th May, 1919.

In October, 1918, the Local Government Board issued a Memorandum on epidemic catarrhs and influenza, and in February, 1919, a memorandum on the prevention of influenza, and a specimen leaflet of advice to the public on precautions to be taken against influenza.

Bronchitis and Pneumonia.—The total deaths assigned to bronchitis numbered 2,181—males 1,098, females 1,083, and to pneumonia (all forms) 2,604 (males 1,398, females 1,206), the former showing an increase of 66 deaths and the latter 669 deaths on the 1917 totals.

Bronchitis contributed a death-rate of 1·41 per 1,000 of the estimated population, and pneumonia a rate of 1·69, against 1·34 and 1·23 respectively in the year 1917.

These diseases combined were responsible for 18·0 per cent. of the total deaths at all ages. The combined rate was highest in Ince-in-Makerfield 6·17 per 1,000 of the population, Hindley 6·08, Aspull 6·0, Fulwood 5·8, Tyldesley-with-Shakerley 5·57, Heywood (B.) 4·82, Bacup (B.) 4·78, Whitworth 4·75, Atherton 4·74, Preesall 4·7, and Rishton 4·59.

The Public Health (Pneumonia, Malaria, Dysentery, &c.) Regulations, dated 7th January, 1919, were made by the Local Government Board with the object of securing better control over, and means for treatment of, certain epidemic diseases which were prevalent or threatened at the time. The Regulations apply to malaria, dysentery, trench fever, acute primary pneumonia, acute influenzal pneumonia, enteric fever, relapsing fever, and typhus fever. The first five diseases mentioned were made compulsorily notifiable.

The Regulations also prescribed the duties of Medical Officers of Health in relation to these diseases and the precautions to be adopted.

In January, 1919, the Local Government Board issued a Memorandum relative to the classification and bacteriology of Pneumonia, the predisposing causes, prophylaxis, and general administrative measures.

Other Memoranda issued by the Local Government Board early in 1919 were : Lousiness and itch (27th February), and Rabies (April, revised June). In July a leaflet was issued "Suggestions for the care of malaria patients."

Organic Heart Disease.—Deaths ascribed to organic heart disease in 1918 numbered 2,250, or 150 fewer than in the year 1917. The death-rate per 1,000 of the population was 1·46 against 1·53 last year, and 1·55 in 1916.

Cancer, Malignant Disease.—To this cause were allocated 1,727 deaths, as compared with 1,713 in the preceding year. Male deaths in 1918 numbered 762, and females 965. The County death-rate was 1·12 (urban districts 1·14, rural districts 0·99). This rate has been gradually increasing for some years—1·09 in 1917, 1·06 in 1916, 0·94 in 1915, 0·95 in 1914, 0·92 in 1913, and 0·83 in 1912.

Phthisis (Pulmonary Tuberculosis).—The incidence of phthisis and other tuberculous diseases in the year 1918 is analysed in detail in Tables C and D, inserted opposite page xliii.

The deaths of civilians from pulmonary tuberculosis numbered 1,652, an increase of 68 as compared with 1917. The proportion of phthisis deaths to deaths from all causes at all ages was 6·2 per cent ; last year this percentage was 7·2.

The County phthisis death-rate in 1918 corresponded to 1·07 per 1,000 of the estimated civilian population (urban districts 1·10, rural districts 0·88). Mortality from pulmonary tuberculosis may be said to have been at its lowest in the County in the year just before the war, viz., 0·82 in 1913, since when it has gradually increased, viz., 0·87 in 1914, 0·96

in 1915, 1·04 in 1916, 1·0 in 1917, and 1·07 in the year under report. The County average for the ten years 1908-1917 was 0·89—more favourable than the rate for the year 1918 to the extent of 0·18 per 1,000.

The following table shows the male and female deaths from pulmonary tuberculosis at various age periods during the last three years :—

	At all Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upw'ds.
Males—									
1916	900	2	6	11	28	133	392	300	28
1917	827	5	7	6	21	125	380	252	31
1918	844	2	7	8	31	136	370	253	37
Females—									
1916	785	3	9	11	68	180	370	129	15
1917	757	4	4	11	63	196	333	133	13
1918	808	2	1	4	55	215	373	139	19

The phthisis death-rate in 1918 was high in the following districts : Little Crosby 2·38, (2 deaths only) Wardle 2·23, Tottington 2·18, Poulton-le-Fylde 2·12, Grange-over-Sands 2·10, Ormskirk 2·09, Barton-upon-Irwell (R.) 1·93, and Litherland 1·75, but rates for one year only, especially in districts with comparatively small populations, are misleading. In the following County districts the phthisis death-rate, extending over a period of ten years, was well above the average—Kirkham 1·45, Ashton-under-Lyne (B.) 1·40, Whitworth 1·34, Heywood (B.) 1·32, Ormskirk 1·31, Grange-over-Sands 1·25, Longridge 1·22, Dalton-in-Furness and Failsworth each 1·21, Droylsden and Hurst and Lancaster (B.) each 1·20, &c. In certain districts the high rate is probably due to the fact that persons suffering from lung affections select such areas for their place of residence.

Other Tuberculous Diseases.—"Tuberculous Meningitis" contributed 140 deaths, and "other tuberculous

TABLE D.

ADMINISTRATIVE COUNTY OF LANCASTER.

Public Health (Tuberculosis) Regulations, 1912.

ANALYSIS OF THE NOTIFICATIONS ON FORMS A AND B (EXCLUDING DUPLICATES) RECEIVED DURING THE FIFTY-TWO WEEKS ENDED 28th DECEMBER, 1918.

(Extracted from Weekly Returns of District Medical Officers of Health.)

Age—years :—	..	0 — 1			1 — 5			5 — 10			10 — 15			15 — 20			20 — 25			25 — 35			35 — 45			45 — 55			55 — 65			65 & upwds.			TOTALS.			
SEX.	Col.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	Col.
PULMONARY—																																						
Lungs only	1	3	1	4	35	24	59	55	69	124	59	74	133	139	139	278	107	166	273	296	290	586	310	204	514	227	117	344	94	52	146	28	13	41	1353	1149	2502	1
Lungs and Larynx ..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	2	6	8	5	1	6	2	..	2	3	..	3	..	..	..	14	7	21	2
Laryngitis	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3	2	2	4	3	..	3	1	..	1	..	..	..	8	3	11	3
Pulmonary Total	4	3	1	4	35	24	59	55	69	124	59	74	133	140	139	279	108	166	274	300	297	597	317	207	524	232	117	349	98	52	150	28	13	41	1375	1159	2534	4
Cases—Pulmonary and Non-Pulmonary combined ..		..	..	..	7	3	10	3	2	5	4	..	4	5	3	8	..	3	3	1	4	5	5	1	6	5	3	8	2	..	2	..	..	..	32	19	51	
NON-PULMONARY—																																						
Alimentary — Enteritis (Primary)	5	1	..	1	3	5	8	1	1	2	..	1	1	2	1	3	..	..	..	..	2	2	..	..	..	1	1	2	..	1	1	..	1	1	8	13	21	5
Alimentary — Peritonitis .. .. (Abdominal Tuberculosis)	6	4	4	8	16	18	34	13	15	28	10	9	19	6	8	14	..	5	5	1	4	5	2	4	6	..	..	..	..	..	..	1	..	1	53	67	120	6
Glands — Tabes .. .. .. (Mesenteric Glands)	7	1	..	1	5	1	6	4	2	6	1	1	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	5	16	7
Glands — Axillary	8	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	8
Glands — Cervical	9	..	..	..	16	15	31	42	36	78	27	53	80	19	46	65	6	29	35	7	22	29	7	13	20	4	1	5	2	1	3	..	..	..	130	216	346	9
Glands — Inguinal	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
Glands — Mediastinal	11	..	..	..	..	..	..	2	..	2	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	11
Glands — Not Classified .. .. (Two or more Groups)	12	..	..	..	..	..	..	4	2	6	1	1	2	1	1	2	2	1	3	2	1	3	1	..	1	..	1	1	..	1	1	..	..	..	11	8	19	12
Genito-urinary — Bladder	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	1	..	1	13
Genito-urinary — Fallopian Tube	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	14
Genito-urinary — Kidney	15	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	1	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2	3	5	15
Genito-urinary — Prostate	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16
Genito-urinary — Suprarenal	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17
Genito-urinary — Testicle and Epididymis.	18	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	2	..	2	..	..	..	..	..	..	1	..	1	..	..	..	5	..	5	18
Genito-urinary — Not Classified .. .. (Two or more)	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19
Joints and Bones — Head .. .. .. (Including Middle Ear)	20	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	20
Joints and Bones — Trunk—																																						
Ribs and Sternum ..	21	..	..	..	..	..	..	..	..	..	1	1	2	2	2	4	2	..	2	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..	5	5	10	21
Spine	22	..	..	..	5	2	7	3	3	6	4	5	9	2	3	5	3	1	4	4	2	6	1	2	3	3	2	5	..	1	1	1	..	1	26	21	47	22
Joints and Bones — Arm—																																						
Shoulder	23	..	..	..	..	..	..	2	1	3	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	5	23
Scapula	24	..	..	..	..	..	..	1	..	1	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	24
Humerus	25	..	..	..	1	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	25
Elbow	26	..	..	..	1	..	1	..	..	..	..	1	1	2	..	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	4	1	5	26
Joints and Bones — Radius	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27
Joints and Bones — Ulna	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	28
Joints and Bones — Hand and Wrist ..	29	..	..	..	4	5	9	2	1	3	..	..	..	1	1	2	..	1	1	2	1	3	..	..	..	..	..	..	1	..	1	..	1	1	10	10	20	29
Joints and Bones — Leg—																																						
Hip and Pelvis ..	30	1	..	1	3	1	4	8	7	15	5	5	10	8	4	12	1	1	2	2	2	4	..	1	1	1	..	1	1	..	1	..	..	..	30	21	51	30
Femur	31	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	31
Knee	32	1	..	1	2	..	2	2	1	3	..	..	..	2	..	2	1	3	4	..	..	..	..	1	1	1	2	3	2	..	2	..	..	..	11	7	18	32
Tibia	33	..	..	..	..	1	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	33
Fibula	34	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	34
Joints and Bones — Foot and Ankle ..	35	..	..	..	3	..	3	1	..	1	2	1	3	1	2	3	..	1	1	2	..	2	..	..	..	..	..	..	..	..	..	..	1	1	9	5	14	35
Joints and Bones — Two or more different Joints ..	36	..	..	..	1	..	1	1	3	4	1	..	1	1	2	3	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	1	1	6	6	12	36
Joints and Bones — Not Classified ..	37	..	..	..	1	..	1	..	..	..	1	1	2	1	1	2	..	..	..	..	1	1	1	1	2	1	..	1	..	1	1	..	..	..	5	5	10	37
Meningitis (Brain)	38	4	6	10	9	24	33	11	7	18	5	3	8	2	3	5	1	2	3	..	1	1	1	..	1	..	..	..	..	..	..	..	..	..	33	46	79	38
Miliary (Generalised)	39	2	..	2	4	..	4	..	1	1	..	2	2	3	..	3	..	..	..	1	1	2	2	3	5	..	1	1	..	1	1	..	..	..	12	9	21	39
Skin (Lupus)	40	..	..	..	..	3	3	6	2	8	5	4	9	2	2	4	1	1	2	2	4	6	1	3	4	1	1	2	..	..	..	..	..	..	18	20	38	40
Miscellaneous	41	..	..	..	..	..	..	..	1	1	1	..	1	..	1	1	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	2	3	5	41
Non-Pulmonary Total ..	42	14	10	24	75	75	150	103	84	187	65	92	157	60	80	140	19	46	65	29	46	75	16	29	45	14	9	23	7	6	13	2	4	6	404	481	885	42
GRAND TOTAL	43	17	11	28	110	99	209	158	153	311	124	166	290	200	219	419	127	212	339	329	343	672	333	236	569	246	126	372	105	58	163	30	17	47	1779	1640	3419	43

TABLE C.

ADMINISTRATIVE COUNTY OF LANCASTER.

Public Health (Tuberculosis) Regulations, 1912.

SUMMARY OF NOTIFICATIONS OF PULMONARY AND OTHER FORMS OF TUBERCULOSIS DURING THE FIFTY-TWO WEEKS ENDED 28th DECEMBER, 1918.

(Extracted from Weekly Returns of District Medical Officers of Health.)

NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.

	PULMONARY.				NON-PULMONARY. Alimentary.		Glands.						Genito-urinary.							Joints and Bones.																												
																				Trunk.			Arm.							Leg.																		
	Lungs only.	Lungs and Larynx.	Laryngitis.	Total.	Enteritis (Primary).	Peritonitis (Abdominal Tuberculosis).	Tabes (Mesenteric Glands).	Axillary.	Cervical.	Inguinal.	Mediastinal.	Not Classified (Two or more Groups).	Bladder.	Fall. Tube.	Kidney.	Prostate.	Suprarenal.	Testicle and Epididymis.	Not Classified (Two or more).	Head (including Middle Ear).	Ribs and Sternum.	Spine.	Shoulder.	Scapula.	Humerus	Elbow.	Radius.	Ulna.	Hand and Wrist.	Hip and Pelvis.	Femur.	Knee.	Tibia.	Fibula.	Foot and Ankle.	Two or more different Joints.	Not Classified.	Meningitis (Brain).	Miliary (Generalised).	Skin (Lupus).	Miscellaneous.	Total.	Total Pulmonary and Non-Pulmonary.	Total Notifications (*i.e.*, including cases previously notified by other Doctors.)
Thirteen weeks ended 30th March, 1918 ..	615	4	1	620	7	37	3	1	91	..	..	5	..	..	2	..	..	2	..	..	4	12	1	..	..	1	..	..	8	18	1	7	..	..	7	2	2	26	3	12	1	253	873	932
Thirteen weeks ended 29th June, 1918 ..	766	7	4	777	6	29	3	..	143	..	..	5	..	1	1	..	..	1	..	1	2	20	1	3	..	2	..	..	5	19	..	7	..	1	3	4	7	27	10	9	3	313	1090	1148
Thirteen weeks ended 28th September, 1918.	600	6	5	611	4	33	2	..	62	..	1	5	..	..	2	..	..	..	..	..	1	9	1	..	2	1	..	..	6	6	..	3	..	..	3	3	..	16	1	10	1	172	783	826
Thirteen weeks ended 28th December, 1918..	521	4	1	526	4	21	8	1	50	..	3	4	1	..	..	..	..	2	..	..	3	6	2	..	..	1	..	..	1	8	..	1	2	..	1	3	1	10	7	7	..	147	673	718
Total	2502	21	11	2534	21	120	16	2	346	..	4	19	1	1	5	..	..	5	..	1	10	47	5	3	2	5	..	..	20	51	1	18	2	1	14	12	10	79	21	38	5	885	3419	3624

NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.

	PULMONARY.														NON-PULMONARY.														Total Pulmonary and Non-Pulmonary.
Years.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and upwds	Total.	Total M. & F.		0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and upwds	Total.	Total M. and F.		
Thirteen weeks ended 30th March, 1918 M.	2	13	17	15	33	27	58	65	53	29	2	314	620		5	19	32	16	15	8	9	3	2	1	1	111	253		873
Thirteen weeks ended 30th March, 1918 F.	..	6	15	20	40	38	87	59	30	10	1	306			3	23	26	30	25	14	8	6	3	2	2	142			
Thirteen weeks ended 29th June, 1918 M.	1	12	24	19	44	26	90	89	70	23	13	411	777		5	30	34	27	27	4	11	6	4	3	1	152	313		1090
Thirteen weeks ended 29th June, 1918 F.	1	11	27	26	53	63	82	50	31	17	5	366			4	18	27	33	29	13	19	13	3	2	..	161			
Thirteen weeks ended 28th Sept., 1918 M.	..	5	7	9	37	32	78	78	62	31	10	349	611		3	17	18	11	9	2	3	4	6	2	..	75	172		783
Thirteen weeks ended 28th Sept., 1918 F.	..	4	10	14	31	35	58	56	35	14	5	262			2	21	14	13	19	12	7	6	1	1	1	97			
Thirteen weeks ended 28th Dec., 1918 M.	..	5	7	16	26	23	74	85	47	15	3	301	526		1	9	19	11	9	5	6	3	2	1	..	66	147		673
Thirteen weeks ended 28th Dec., 1918 F.	..	3	17	14	15	30	70	42	21	11	2	225			1	13	17	16	7	7	12	4	2	1	1	81			
Total .. .. M.	3	35	55	59	140	108	300	317	232	98	28	1375	2534		14	75	103	65	60	19	29	16	14	7	2	404	885		3419
Total .. .. F.	1	24	69	71	139	166	297	207	117	52	13	1159			10	75	84	92	80	46	46	29	9	6	4	481			

NOTIFICATIONS. FORM B ONLY. (By School Medical Inspectors.)

	Primary Notifications. (*i.e.*, excluding duplicates.)									Total Notifications (*i.e.*, including cases previously notified by other Doctors.)	Number of Cases Notified on Form C. (Admissions.)		Number of Cases notified on Form D (Discharges from Institutions).
	Under 5 years.		5 to 10.		10 to 15.		Total.						
	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.					
Thirteen weeks ended 30th March, 1918 M.	1	..	1	5	..	1	2	6	18	21	9	136	139
Thirteen weeks ended 30th March, 1918 F.	..	1	2	2	3	2	5	5					
Thirteen weeks ended 29th June, 1918 M.	..	..	3	7	3	5	6	12	36	42	5	144	153
Thirteen weeks ended 29th June, 1918 F.	..	..	6	4	2	6	8	10					
Thirteen weeks ended 28th Sept., 1918 M.	..	..	..	..	..	..	..	..	5	5	2	157	134
Thirteen weeks ended 28th Sept., 1918 F.	..	..	2	..	3	..	5	.					
Thirteen weeks ended 28th Dec., 1918 M.	..	..	1	2	2	2	3	4	17	20	6	157	140
Thirteen weeks ended 28th Dec., 1918 F.	..	..	4	2	1	3	5	5					
Total .. .. M.	1	..	5	14	5	8	11	22	76	88	22	594	566
Total .. .. F.	..	1	14	8	9	11	23	20					

diseases" 295 deaths, making in the aggregate the deaths assigned to tuberculous affections 2,087, slightly fewer than in the year 1917.

The combined tuberculosis death-rate in 1918 was 1·35 per 1,000, as compared with 1·30 in 1917 and 1·33 in 1916.

The table below shows the deaths assigned in 1918 to tuberculous affections, compared with the years 1917 and 1916 :—

Cause of Death.	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards
Phthisis (Pulmonary Tuberculosis)	1652	4	8	12	86	351	743	392	56
Tuberculous Meningitis	140	19	23	30	45	14	9	..	..
Other Tuberculous Diseases..	295	17	24	38	57	54	64	35	6
Total 1918..	2087	40	55	80	188	419	816	427	62
Year 1917 ..	2050	54	54	96	193	384	783	432	54
Year 1916 ..	2156	47	76	103	209	376	824	469	52

The Public Health (Tuberculosis) Regulations, 1912.—Tables C and D here inserted analyse the notifications received weekly in 1918 from local Medical Officers of Health both as regards parts of the body affected and in age periods.

The total number of cases reported—excluding 205 duplicates, 616 notifications on Form C (admissions to institutions), and 566 on Form D (discharges from institutions)—numbered 3,419, or 18 less than in the preceding year. There were 2,534 new cases of pulmonary tuberculosis (159 in excess of 1917), and of other forms of tuberculosis 885 cases—177 less than in 1917.

The following table compares the male and female cases during the past five years at certain age groups :—

	Years.	0 to 1.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	Total.	Total, M. & F.
						Pulmonary tuberculosis—							
1914..	M.	6	40	80	83	112	172	329	315	240	107	23	1507	2820
	F.	3	32	115	107	140	181	336	225	107	47	20	1313	
1915..	M.	5	47	97	79	127	138	305	303	235	117	34	1487	2872
	F.	5	27	96	111	152	191	383	239	100	60	21	1385	
1916..	M.	1	31	71	77	121	157	331	296	190	96	36	1407	2689
	F.	2	24	81	96	165	186	345	220	98	52	13	1282	
1917..	M.	4	20	77	62	113	104	262	268	190	90	30	1220	2375
	F.	2	22	90	100	129	155	296	185	107	50	19	1155	
1918..	M.	3	35	55	59	140	108	300	317	232	98	28	1375	2534
	F.	1	24	69	74	139	166	297	207	117	52	13	1159	
						Non-pulmonary tuberculosis—							
1914..	M.	43	111	131	95	77	36	47	23	20	14	3	600	1140
	F.	37	88	98	89	77	44	58	27	12	6	4	540	
1915..	M.	39	109	113	93	61	46	50	29	14	5	3	562	1128
	F.	26	88	107	88	84	53	61	33	15	7	4	566	
1916..	M.	20	127	135	99	65	42	47	34	12	13	5	599	1180
	F.	8	68	122	114	85	46	65	41	19	11	2	581	
1917..	M.	21	116	109	105	61	23	42	30	8	9	1	525	1062
	F.	7	79	97	98	89	59	49	25	23	6	5	537	
1918..	M.	14	75	103	65	60	19	29	16	14	7	2	404	885
	F.	10	75	84	92	80	46	46	29	9	6	4	481	

For reference, and for the information of the County Tuberculosis Department, a card index of every case notified is kept up-to-date in the County Public Health Department.

In this County the administration of sanatorium benefit under the Insurance Act, and the treatment of tuberculosis in general, is undertaken by the County Tuberculosis Committee.

The Public Health Department supplies to the Tuberculosis Department copies of all notifications of cases of tuberculosis received weekly from district Medical Officers of Health, and also particulars of deaths.

The Public Health (Venereal Diseases) Regulations, 1916.—Under these Regulations the County Council has prepared and put into operation a scheme for the diagnosis and treatment of venereal diseases.

The scheme provides facilities for—

(1) enabling any medical practitioner practising in the area of the County Council to obtain, at the cost of the County Council, a scientific report on any material which the medical practitioner may submit from a patient suspected to be suffering from venereal disease,

(2) the treatment at and in hospitals or other institutions of persons suffering from venereal disease, and

(3) supplying medical practitioners with salvarsan, or its approved substitutes, for the treatment and prevention of venereal diseases.

The facilities mentioned, both for diagnosis and treatment, are available to registered medical practitioners without charge to them or their patients.

(1) Provision of Laboratory Facilities for Diagnosis and Guidance in Treatment.

Arrangements have been made by which any medical practitioner practising in the area of the County Council will be supplied gratuitously with the necessary outfit for collecting material for examination from persons suspected to be suffering from venereal disease, and a scientific report upon the material submitted will be furnished

The Laboratories available for such examinations are :—

LIVERPOOL	...	The University of Liverpool, Bacteriological Department, Johnston Laboratories (Prof. Beattie)
MANCHESTER	...	The University of Manchester, Pathological Department, Oxford Road (Prof. Dean).
BURNLEY	...	The Borough Health Department Laboratory (Dr. Markham).

Nature of Examination.

(*a*) Microscopic examination of discharges for detection of gonococci, confirmed in exceptional cases by cultural methods.

(*b*) Microscopic examination of discharge from sores, mucous patches, condylomata, &c., for the detection of spirochetes or of other organisms.

*(*c*) Wassermann tests on the blood serum of patients—

(i.) for the diagnosis of syphilis.

(ii.) as a control of the effect of treatment.

(*d*) Examination of fœtal tissues for the presence of spirochetes.

(*e*) More rarely Wassermann tests and microscopic examination of the cerebro-spinal fluid of patients.

(*f*) Other tests directly concerned with the diagnosis or treatment of venereal diseases.

Outfits for forwarding specimens to the laboratories are supplied gratuitously on application to the County Public Health Department, County Offices, Preston.

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* Specimens of blood for Wassermann tests should be forwarded as early in the week as possible, to arrive at the Laboratory *not later* than first post on Friday morning, in order that the specimens will not have to be kept over the week-end before the examination is completed.

(2) Treatment Centres or Clinics. (Revised to July, 1919.)

Arrangements for Treatment.

The County Council has made arrangements with the undermentioned Institutions for the treatment of patients residing in the County Council's area :—

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Ashton-under-Lyne District Infirmary, Darnton Road	Monday and Thursday, 3–5 p.m.	Monday and Thursday, 3–5 p.m.
Barrow-in-Furness, North Lonsdale Hospital, School Street	Thursday, 8 p.m.	Wednesday, 8 p.m.
Blackburn and East Lancashire Royal Infirmary	Monday, 11 a.m. Wednesday, 4 p.m.	Tuesday, 11 a.m. and 4 p.m.
Blackpool Victoria Hospital, Whitegate Drive	Monday and Thursday, 11 a.m. to 12-30 p.m.	Tuesday and Friday 11 a.m. to 12-30 p.m.
	Wednesday and Saturday, 11 a.m. to 12-30 p.m.	
BoltonPublic Health Department Clinic, Howell Croft	Monday and Tuesday, 7 p.m. Wednesday, 11 a.m. and 7 p.m.	Thursday, 7 p.m. Saturday, 10 a.m.
Bootle Borough Hospital, Derby Road	Monday, 5-30 p.m. Thursday, 12 noon Friday, 5-30 p.m.	Monday, 12 noon. Friday, 5 p.m.
Burnley Victoria Hospital	Monday, 10–11 a.m. and 6–7 p.m.	Friday, 10–11 a.m. and 6-7 p.m.
Liverpool Royal Infirmary, Pembroke Place	New Patients— Monday, 12 noon. Wednesday, 5 p.m. Friday, 12 noon.	Thursday, 12 noon.
	Continuation Treatment :—	
	Daily, 5–6 p.m. (except Saturday, Sunday, and Monday)	Daily, 2–4 p.m. (except Saturday) Monday, 5 p.m.
Liverpool David Lewis Northern Hospital, entrance in Leeds Street	New Patients— Monday and Friday 5–6 p.m.	Wednesday, 5–6 p.m.
	Continuation Treatment—	
	Daily, 7–8 p.m.	Daily, 7–8 p.m.

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Liverpool Royal Southern Hospital, Caryl Street	New Patients— Tuesday, 5 p.m. Saturday, 1 p.m.	Thursday, 5 p.m.
	Continuation Treatment— Daily, 5 p.m. (except Sunday) Saturday, 1 p.m.	Daily, 5 p.m. (except Sunday) Saturday, 1 p.m.
Liverpool Stanley Hospital, Stanley Road, Kirkdale	New Patients— Monday and Thursday, 5–6 p.m.	Tuesday, 5–6 p.m. Saturday, 12 noon.
	Continuation Treatment— Daily, 6–7 p.m. (except Tuesday, Saturday and Sunday)	Daily, 11 a.m. (except Sunday)
Liverpool Cancer and Skin Hospital, Myrtle Street	New Patients— Daily, 1–2 p.m., and Wednesday, 6–7 p.m. Continuation Treatment— Daily, 9–10 a.m., 1–2 p.m., and 6–7 p.m. Sundays, 11 a.m. to 12 noon.	
Manchester Royal Infirmary, Oxford Road	Diseases of Skin :— Thursday, 11 a.m. to 1 p.m. Wednesday, 6–8 p.m. Diseases of Genito-Urinary Organs :— Wednesday, 11 a.m. to 1 p.m. Thursday, 6–8 p.m.	
Manchester and Salford Lock Hospital, Duke Street, Liverpool Road	Daily, 5 to 7 p.m. (Saturday and Sunday excepted)	
Manchester and Salford Hospital for Skin Diseases, Quay Street, Deansgate (Syphilis only treated at this Hospital)	Daily (Sundays excepted). 9—10 a.m.	9—11 a.m.
	Children, 9—11 a.m.	
Manchester, Ancoats Hospital, Mill St., Ancoats	Wednesday, 5-30 to 7 p.m. Saturday, 5–7 p.m.	Wednesday, 11-30 a.m. to 1 p.m.
Oldham Royal Infirmary, Union Street West	New Patients— Tuesday, 8-30 p.m.	Tuesday and Thursday, 3 p.m.
	Continuation Treatment— Tuesday, Wednesday, Thursday, and Friday, 3 p.m.	

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Preston Royal Infirmary, Deepdale Road	Friday, 4-30 to 6-15 p.m.	Tuesday, 4-30 to 6-15 p.m.
Rochdale Infirmary, Red-cross Street	Tuesday, 10 a.m. ; Friday, 5 p.m.	
Salford Royal Hospital, Chapel Street. Out-patient Clinic—1, Adelphi Place, back of Hospital	Skin Department—	
	Monday, 12 noon.	Monday, 12 noon.
	Thursday, 6 p.m.	Wednesday, 6 p.m.
	Genito-Urinary Department—	
	Tuesday, 12 noon.	Tuesday, 12 noon.
	Friday, 6 p.m.	Friday, 6 p.m.
St. Helens Corporation Hospital. Out-patient Clinic —18, Claughton Street	Monday, 6–7 p.m.	Wednesday, 7–8 p.m.
Warrington Infirmary and Dispensary, Kendrick St. Out-patient Clinic—Beamont Street entrance	Tuesday, 3-30 to 4-30 p.m. Saturday, 5 to 6 p.m.	Tuesday, 5 to 6 p.m. ; Saturday, 3-30 to 4-30 p.m.
Wigan Royal Albert Edward Infirmary, Wigan Lane	Tuesday, 4 p.m. Friday, 10 a.m.	Tuesday, 5 p.m. Friday, 10 a.m.

Each Institution is available for the *free* treatment of all comers, without distinction as to means, or as to place of residence.

Every patient attending for diagnosis or treatment can be assured that, although his home address will be kept confidentially for reference, it will never be communicated to others. It is necessary for the Medical Officer of the Institution to have the home address, in order to arrange subsequent appointments.

Patients attending for the treatment of venereal diseases will not be distinguished in any way from patients attending for treatment of other diseases. A nurse will always assist at the clinic for women.

Patients requiring Institutional treatment, *e.g.*, injections of salvarsan or its approved substitutes, &c., will, if necessary, be admitted as in-patients.

A medical practitioner will, by appointment, be able to consult respecting any case of suspected venereal disease under his care, with the Medical Officer of a particular clinic.

The Medical Officer of the clinic will, in cases where such action is desired, furnish the patient's own medical adviser with a report on the patient's treatment at the clinic, with suggestions as to continued treatment.

Further facilities for medical practitioners will be offered, when circumstances permit, such as :—

(*a*) demonstrations and post-graduate courses at the Treatment Centres,

(*b*) consultations with the Pathologist or the Medical Officer of the Treatment Centre, and

(*c*) assistance in the taking of difficult specimens.

(3) Supply of Salvarsan or its Approved Substitutes.

The County Council supply to medical practitioners, approved under the Regulations for such purpose, salvarsan or its approved substitutes free of cost.

The following drugs have been approved by the Local Government Board :—

Kharsivan	Galyl
Arsenobillon	Neokharsivan
Novarsenobillon	Salvarsan
Diarsenol	Neodiarsenol

A medical practitioner desirous of having his name placed on the list for the gratuitous supply of salvarsan or its approved substitutes may apply to the County Medical Officer of Health for a form on which to give the necessary particulars of his training or experience in the administration of these drugs.

PRINTED FORMS OF INSTRUCTIONS TO MEDICAL PRACTITIONERS, PATIENTS, AND THE PUBLIC GENERALLY.

A supply of the undermentioned forms and leaflets is available, and copies will be sent on application to the County Medical Officer of Health, County Offices, Preston :

(*a*) Application by medical practitioner for pathological outfit (Form V. 1).

(*b*) Application by medical practitioner for supply of approved substitutes for salvarsan (Form V. 2).

(*c*) Warning to patient as to care after administration of salvarsan substitute (Form V. 3).

(*d*) Particulars to be supplied by the medical practitioner with each specimen sent to the laboratory (Form V. 4).

(*e*) Report of pathologist respecting specimen sent by medical practitioner (Form V. 5).

(*f*) Instructions to patients suffering from syphilis (Form V. 6).

(*g*) Instructions to patients suffering from gonorrhœa (Form V. 7).

(*h*) Information to the public on the dangers of venereal diseases and on the facilities for treatment (Form V. 8).

(*i*) Leaflet to seamen (Forms V. 14 and 15).

TREATMENT CENTRES.—

Work carried out during the Year ended 31*st December*, 1918.

The information obtained from the Institutions with which the County Council have arrangements regarding persons residing in the County area attending for treatment during the year ended 31st December, 1918, is tabulated in the following table :—

Institution.	Number of County Residents attending for the first time and found to be suffering from :—				Total Number of Attendances of County Residents at Out-patient Clinic.	Aggregate Number of In-patient days.	Number of Doses of Salvarsan substitutes.
	Syphilis.	Soft Chancre	Gonorrhœa	Conditions other than Venereal.			
Ashton-under-Lyne District Infirmary	44	...	13	17	456	11	181
Barrow-in-Furness North Lonsdale Hospital	2	...	1	1	28	...	8
Blackburn and East Lancashire Royal Infirmary	41	...	7	5	453	30	202
Blackpool Victoria Hospital ...	14	...	2	...	131	74	127
Bolton Infirmary	68	...	13	5	660	2	279
Bootle Borough Hospital	20	...	1	...	251	25	92
Burnley Victoria Hospital ...	21	1	6	2	378	8	86
Liverpool Royal Infirmary ...	49	1	22	5	586	58	193
Liverpool Royal Southern Hospital	1	...	...	...	1	3	1
Liverpool Skin Hospital	4	...	...	...	23	...	2
Liverpool Skin and Cancer Hospital	11	...	1	...	161	27	41
Manchester Ancoats Hospital ...	33	...	10	6	289	98	145
Manchester Royal Infirmary ...	64	1	18	4	733	6	346
Manchester and Salford Lock Hospital	23	6	26	4	309	91	101
Manchester and Salford Hospital for Skin Diseases	94	2	...	15	2607	100	474
Oldham Royal Infirmary	61	...	19	4	445	102	184
Preston Royal Infirmary	4	...	1	...	13	...	7
Rochdale Infirmary	18	...	4	...	132	48	126
Salford Royal Hospital	28	...	17	35	757	92	175
St. Helens' Corporation Hospital	8	...	...	...	95	16	57
Warrington Infirmary	12	...	2	1	157	44	46
Wigan Royal Albert Edward Infirmary	54	1	10	...	345	115	256

Pathological Examinations.

Outfits to the number of 256 have been supplied to medical practitioners for the purpose of sending specimens for pathological examination.

	No. of outfits issued to medical practitioners.		
	Wassermann test.	Detection of Spirochæta pallida.	Detection of Gonococci.
Period ended 31st December, 1918.	195	10	51

Supply of Salvarsan or its Substitutes.

The following statement shows the number of doses of salvarsan or its approved substitutes supplied to medical practitioners :—

		Salvarsan or its approved Substitutes supplied to medical practitioners.								
	No. of medical practitioners "approved" for supply of Salvarsan Substitutes.	Kharsivan.	Arsenobillon.	Novarsenobillon.	Diarsenol.	Galyl.	Neokharsivan.	Salvarsan.	Neodiarsenol.	Total.
Period ended 31st Dec., 1918.	27	2	10	62	–	167	8	8	12	269

Propaganda Campaign.

To assist in bringing to the notice of the public the facilities for treatment, a propaganda campaign has been inaugurated by the County Council, in co-operation with the National

Council for Combating Venereal Diseases. Two organising lecturers are now at work in the County area, and a number of local committees have been formed.

The chief aims and objects of the local committees are to provide accurate and enlightened information as to the prevalence of venereal diseases and as to the necessity for early treatment; to encourage and assist in the dissemination of a sound knowledge of physiological laws; to arrange for public lectures (separate lectures to men and to women), special lectures to teachers on sex hygiene, to women social workers and others, and addresses by the organisers at mills and workshops, &c.

A large quantity of literature issued by the National Council for Combating Venereal Diseases has been distributed.

Notification of Infectious Diseases.—Table E appended shows the number of cases notified in each County district in 1918 under the Infectious Disease (Notification) Act, 1889, the Public Health (Tuberculosis) Regulations, and various other Regulations or Orders.

The notifications, according to the local medical officers' tables, numbered 30,533, a decrease on 1917 of 6,482 cases :—

Small-pox	1	Pulmonary Tuberculosis	2,594
Diphtheria and Membranous Croup ...	1,592	Other forms of Tuberculosis	948
Erysipelas	732	Measles and German Measles	21,653
Scarlet Fever	1,961	Whooping Cough ...	37
Enteric Fever	319	Infantile Diarrhœa	48
Continued Fever ...	2	Chicken-pox ...	324
Puerperal Fever ...	49	Scabies	13
Cerebro-Spinal Meningitis	17		
Acute Poliomyelitis ...	11		
Ophthalmia Neonatorum	232		

TABLE (E) showing HOSPITAL ACCOMMODATION and DISINFECTING APPARATUS provided in or for each of the County Districts; also NUMBER OF CASES OF INFECTIOUS DISEASES NOTIFIED, REMOVED TO HOSPITAL, &c.

(*a*) (*c*) (*d*) Totals supplied by local Medical Officers of Health; (*b*) by Registrar-General.

District.	Nature of Hospital accommodation.		Infectious Diseases. *Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.*																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Abram	8 beds	Iron building—4 beds*	(a)	..	5	2	11	8	..	..	1	..	..	3	7	3	59	..	..	..	99	Steam—Hospital ..	28
			(b)	..	..	..	..	3	..	..	..	..	..	..	6	1	..	4	3	..	17		
			(c)	..	3	..	8	8	..	..	..	..	..	..	..	..	..	..	..	..	19		
			(d)	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	3		
Accrington (B.) ..	Bury Joint Hospital by agreement	24 beds	(a)	..	13	20	7	6	..	..	1	..	..	13	65	9	430	..	..	..	564	Steam—District ..	75
			(b)	..	8	3	1	1	..	..	..	..	..	..	42	13	3	7	3	..	81		
			(c)	..	1	..	1	5	..	..	..	..	..	..	..	..	..	..	..	..	7		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Adlington ..	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a)	..	..	5	4	1	..	..	..	..	..	..	5	4	4	..	..	..	23	None. (Formalin Sprayer)	10
			(b)	..	†1	..	..	..	..	..	..	..	..	..	4	..	..	..	2	..	7		
			(c)	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	5		
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Chorley (B.) ..			(a)	..	24	8	8	2	..	..	..	..	..	1	33	22	398	..	..	..	496	Steam—Town's Yard	60
			(b)	..	7	1	..	1	..	..	..	..	..	..	29	5	7	4	6	..	60		
			(c)	..	14	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	22		
			(d)	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
Leyland			(a)	..	5	5	1	1	..	..	..	..	..	..	13	3	164	..	..	..	192	No proper appliances	25
			(b)	..	4	..	..	1	..	..	..	..	..	..	6	1	1	3	2	..	18		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Chorley (R.) ..			(a)	..	4	3	25	6	..	..	..	..	..	..	24	8	224	..	..	..	294	Steam—Chorley (B.)	61
			(b)	..	1	..	..	1	..	..	..	..	..	..	14	1	10	3	6	..	36		
			(c)	..	2	..	22	6	..	..	..	..	..	..	..	..	..	..	..	..	30		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Ashton-in-Makerfield	40 beds (Long Lane)	8 beds (Edge Green)*	(a)	..	23	9	47	7	..	..	..	1	..	5	27	21	793	..	..	..	933	Steam—Hospital ..	91
			(b)	..	5	..	1	2	..	..	..	..	..	..	10	7	24	19	7	..	75		
			(c)	..	22	..	39	7	..	..	..	1	..	..	..	..	..	..	..	..	69		
			(d)	..	3	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	6		
Aspull	At Wigan Borough hospitals*		(a)	..	4	6	21	6	..	..	..	..	..	3	6	3	9	..	..	..	58	Steam—Wigan Sanatorium	29
			(b)	..	1	..	..	1	..	..	†1	..	..	..	7	3	1	7	8	..	29		
			(c)	..	..	..	4	2	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

* Combined under the Wigan and District Joint Hospital Order for the purpose of providing a small-pox hospital. † Inward transfers.

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.	Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Disinfection. Apparatus and where situated.	No. of Houses or Rooms disinfected.
	For ordinary infectious diseases.	For Small-pox.																					
Ashton-under-Lyne (B.)	20 beds	Joint at Hartshead—12 beds	(a)	..	13	9	36	6	..	..	..	..	..	4	96	9	142	..	..	6	‡334	Steam—Town's Yard	193
			(b)	..	5	1	1	..	..	..	1	..	1	..	66	17	9	13	5	..	119		
			(c)	..	1	..	18	3	..	..	..	..	..	..	..	..	..	..	..	..	22		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Audenshaw ..	2 beds, Hyde Borough hospital		(a)	..	10	..	5	1	..	..	..	..	..	4	14	5	7	..	..	..	46	Steam—Ashton-under-Lyne (B.)	35
			(b)	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	3	..	7		
			(c)	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Hurst	Nil		(a)	..	4	2	11	2	..	..	1	..	..	1	6	3	19	..	..	..	49	Steam—Hospital ..	49
			(b)	..	4	..	..	..	..	..	1	..	..	..	8	5	..	3	2	..	23		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Limehurst (R.) ..	Nil		(a)	..	2	1	5	1	..	..	1	..	..	1	8	4	21	..	..	..	44	Steam—Ashton-under-Lyne (B.)	9
			(b)	..	1	..	..	..	..	..	1	..	..	..	9	1	..	2	1	..	15		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Atherton ..	Joint at Astley for all purposes:— 64 beds and 38 cots.	30 beds	(a)	..	107	13	7	2	..	..	..	..	..	4	26	20	489	..	..	..	668	Steam—Gas Works	135
			(b)	..	15	..	..	..	..	..	1	..	..	..	15	6	16	11	3	..	67		
			(c)	..	67	..	5	1	..	..	..	..	..	..	..	..	..	..	..	..	73		
			(d)	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12		
Golborne ..			(a)	..	3	4	35	..	..	..	..	1	..	..	11	9	5	..	..	..	68	Steam—Hospital ..	44
			(b)	..	..	..	1	1	..	..	..	1	..	..	4	..	..	3	4	..	14		
			(c)	..	1	..	15	..	..	..	..	1	..	..	..	..	..	..	..	..	17		
			(d)	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	2		
Leigh (B.) ..			(a)	..	44	26	22	5	..	..	1	..	..	14	73	45	144	..	..	..	374	Steam—Destructor Works	139
			(b)	..	14	1	1	3	..	..	..	1	1	..	61	12	3	26	21	..	144		
			(c)	..	23	..	14	2	..	..	..	..	..	..	..	..	..	..	..	..	39		
			(d)	..	6	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	8		
Tyldesley-with-Shakerley			(a)	..	30	14	7	2	..	..	..	..	..	3	19	12	402	..	..	..	489	Steam—Sanatorium	120
			(b)	..	5	..	..	1	..	..	†1	..	..	..	7	4	11	4	2	..	35		
			(c)	..	16	..	5	2	..	..	..	..	..	..	..	..	..	..	..	..	23		
			(d)	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	4		
Leigh (R.) ..			(a)	..	23	7	11	1	..	..	..	..	..	1	10	9	111	..	..	..	173	Steam—Hospital ..	96
			(b)	..	5	..	..	..	..	..	..	..	1	..	5	2	3	6	3	..	25		
			(c)	..	10	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	15		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Bacup (B.) ..	Arrangement with Bury Joint Hospital Board	Joint at Todmorden—32 beds	(a)	..	..	25	13	2	..	..	..	..	..	3	19	13	479	..	..	56	610	Steam—Town's Yard	98
			(b)	..	..	..	..	..	..	..	..	..	..	..	18	1	8	17	2	..	46		
			(c)	..	..	..	..	1	..	..	..	..	..	1	..	..	2	1	..	..	5		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	3		

† Inward transfer. ‡ Includes 13 cases of scabies.

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
†Bispham-with-Norbreck	Joint at Moss Side, 48 beds and 12 cots	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds	(a)	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	3	No proper apparatus	..
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Fleetwood ..			(a)	..	13	21	21	..	..	..	1	..	..	3	28	8	522	..	..	..	617	Steam—Town's Yard	53
			(b)	..	1	..	..	..	..	..	1	..	..	..	22	8	7	4	3	..	46		
			(c)	..	3	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	22		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Kirkham ..			(a)	..	5	..	1	1	..	..	1	..	..	..	4	3	9	..	..	..	24	No proper apparatus	56
			(b)	..	4	..	..	..	..	..	1	..	..	..	4	1	..	..	..	..	10		
			(c)	..	4	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Lytham			(a)	..	1	..	..	2	..	..	..	..	..	..	5	..	16	..	..	..	24	Steam—Destructor Works	31 (rooms)
			(b)	..	1	..	..	..	..	..	..	..	..	..	3	4	..	..	..	..	8		
			(c)	..	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Poulton-le-Fylde			(a)	..	..	2	1	1	..	..	..	..	..	..	2	..	4	8	..	4	22	Steam—Blackpool C.B.	5
			(b)	..	..	..	..	1	..	..	..	..	..	..	5	..	..	..	..	..	6		
			(c)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
St. Annes-on-the-Sea			(a)	..	6	2	3	3	..	..	..	..	..	..	16	..	111	24	..	..	165	Steam—Adjoining Refuse Destructor	42
			(b)	..	..	..	..	2	..	..	..	..	..	..	6	3	1	2	1	..	15		
			(c)	..	6	..	2	1	..	..	..	..	..	..	..	..	1	..	..	..	10		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Thornton ..			(a)	..	4	1	19	1	..	..	..	..	..	1	9	5	91	..	..	..	131	No proper apparatus	60
			(b)	..	1	..	1	..	..	..	..	..	..	..	5	..	..	..	..	..	7		
			(c)	..	3	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	22		
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Fylde (R.) ..			(a)	..	3	3	8	8	..	..	..	..	..	1	12	5	36	..	..	..	76	No proper apparatus	61
			(b)	..	..	1	1	2	..	..	..	..	..	..	6	1	..	3	..	..	14		
			(c)	..	3	..	6	8	..	..	..	..	..	..	..	..	..	..	..	..	17		
			(d)	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	3		
Preesall	At Fylde, &c., joint (Moss Side)		(a)	..	1	..	..	..	..	..	..	..	..	..	2	..	39	..	..	..	42	No proper apparatus	10
			(b)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Garstang (R.) ..	Nil		(a)	..	4	1	3	..	..	..	2	..	..	..	16	3	92	..	..	..	121	No proper apparatus	121
			(b)	..	..	..	..	..	..	..	..	..	..	..	4	5	..	5	..	..	14		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

† This District incorporated in the County Borough of Blackpool 1st April, 1918. Figures refer to period prior to that date.

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.
Fulwood ..	Joint at Fulwood 45 beds	Joint at Elswick (*With Fylde, &c. See previous page*)	(a)	..	4	..	6	..	..	..	..	1	..	..	5	..	15	..	..	..	31	Steam—Hospital ..	20
			(b)	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	2		
			(c)	..	4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	5		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Longridge ..			(a)	..	1	1	1	..	..	..	..	..	..	..	5	..	72	..	..	..	80	Steam—Hospital ..	9
			(b)	..	1	..	..	..	..	..	..	..	..	..	3	..	..	..	1	..	5		
			(c)	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Preston (R.) ..			(a)	..	11	1	13	..	..	..	..	..	..	1	17	..	158	..	..	..	201	Steam—Hospital ..	181
			(b)	..	2	..	..	..	..	..	..	..	..	..	17	4	..	1	1	..	25		
			(c)	..	5	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	12		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Barrowford ..	At Nelson Boro. hospital	At Nelson Boro. hospital	(a)	..	1	2	3	..	..	..	..	..	..	..	3	2	227	..	..	..	238	Steam—Nelson (B.)..	5
			(b)	..	..	..	..	..	..	..	..	..	..	..	4	..	6	..	1	..	11		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Billinge	Nil	Cottage—4 beds*	(a)	..	..	1	2	..	..	..	..	..	..	..	7	2	10	..	..	..	22	No proper apparatus	8
			(b)	..	..	..	..	..	..	..	..	1	..	..	6	1	..	1	2	..	11		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Blackrod ..	Joint at Fall Birch, Horwich, 55 beds	Nil*	(a)	..	3	1	1	..	..	..	..	..	..	..	5	9	40	..	..	..	59	Steam—Hospital ..	59
			(b)	..	1	1	..	..	..	..	..	..	..	..	3	2	..	1	3	..	11		
			(c)	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Horwich		Temporary hospital —5 beds*	(a)	..	3	2	12	2	..	..	..	..	..	1	18	17	..	..	..	..	55	Steam—Hospital ..	27
			(b)	..	..	..	..	..	..	..	1	..	..	..	11	6	4	5	..	..	27		
			(c)	..	1	..	7	2	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Westhoughton ..		Temporary hospital —12 beds*	(a)	..	5	6	34	18	..	..	1	..	2	..	16	10	352	..	..	..	444	Steam—Hospital ..	398
			(b)	..	1	..	1	6	..	..	..	..	..	..	8	1	6	10	4	..	37		
			(c)	..	3	..	24	17	..	..	..	..	..	..	..	..	..	..	..	..	44		
			(d)	..	1	..	1	6	..	..	..	..	..	..	..	..	..	..	..	..	8		
Brierfield ..	Joint with Burnley (C.B.) for all purposes (Kibble Bank) (Crown Point)		(a)	..	7	1	6	1	..	..	..	..	..	..	8	2	208	..	..	..	233	Steam—Burnley C.B.	28
			(b)	..	2	..	..	..	..	..	..	..	..	..	7	1	3	2	..	..	15		
			(c)	..	4	..	3	..	..	..	..	..	..	..	..	..	2	..	..	..	9		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Padiham ..			(a)	..	13	2	..	..	..	..	..	2	..	1	11	6	607	..	..	..	642	Steam—Burnley C.B	69
			(b)	..	1	..	..	..	..	..	..	2	..	..	11	4	14	4	1	..	37		
			(c)	..	9	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	10		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Burnley (R.) ..			(a)	..	1	9	12	4	..	..	3	..	..	3	11	5	353	..	..	..	401	Steam—Burnley C.B.	16
			(b)	..	1	1	..	1	..	..	1	..	..	..	15	6	3	1	..	..	29		
			(c)	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Carnforth ..	2 wards—12 beds (Crag Bank)	Nil	(a)	..	..	.	..	4	..	..	..	..	..	..	..	..	29	..	..	..	33	No proper apparatus	6
			(b)	..	..	..	..	4	..	..	..	..	..	..	5	1	1	..	..	..	11		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Chadderton ..	At Oldham Boro. hospital	Joint at Racefield —26 beds	(a)	..	31	36	49	3	..	..	..	..	..	7	54	44	131	..	..	..	355	Steam at hospital, available for small-pox cases	81
			(b)	..	[illegible]	..	1	..	..	..	..	..	..	..	33	5	2	11	4	..	63		
			(c)	..	21	2	18	3	..	..	..	..	..	..	..	..	..	..	..	..	44		
			(d)	..	7	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	9		
Crompton ..	Do. ..		(a)	..	2	7	4	..	..	..	..	..	..	2	36	8	146	..	..	43	248	Steam—Destructor Works	54
			(b)	..	..	1	..	..	..	..	..	..	..	..	19	2	5	3	..	..	30		
			(c)	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Royton	Do. ..		(a)	..	[illegible]	8	4	..	..	..	..	..	..	2	28	5	61	..	..	75	187	Steam—Oldham C.B.	160
			(b)	..	..	..	..	..	..	..	1	..	..	..	22	9	..	7	3	..	42		
			(c)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Church	Nil	At Finnington (Blackburn)	(a)	..	2	2	..	5	..	..	..	..	..	1	13	4	99	..	..	..	126	Steam—Oswaldtwistle	81
			(b)	..	1	..	..	..	..	..	..	..	..	..	10	1	1	2	..	..	15		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Clayton-le-Moors	At Burnley, &c., joint hospital	At Accrington Boro. hospital	(a)	..	3	1	1	[illegible]	..	..	..	..	1	2	10	8	105	..	..	..	134	Steam—Accrington (B.)	145
			(b)	..	1	..	..	3	..	..	1	..	1	..	9	5	..	1	1	..	22		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Clitheroe (B.) ..	Nil	Joint with Bowland (Yorks)—8 beds	(a)	..	9	9	13	..	..	..	..	..	..	1	7	5	6	..	..	..	50	Steam—Gas Works	110
			(b)	..	1	1	..	..	..	..	..	..	..	..	17	3	..	1	1	..	24		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Clitheroe (R.) ..	Nil		(a)	..	1	1	11	..	..	..	..	..	..	..	7	1	36	..	..	..	57	Steam—Clitheroe (B.)	31
			(b)	..	..	..	..	..	..	..	1	..	..	..	1	2	..	..	..	..	4		
			(c)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Colne (B.) ..	10 beds	20 beds	(a)	..	135	17	9	3	..	..	..	..	..	1	23	10	249	..	..	..	447	No proper apparatus	428
			(b)	..	10	..	..	2	..	..	..	..	..	..	18	4	4	3	2	..	43		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Croston	At West Lancashire Rural hospital	Nil	(a)	..	2	..	..	3	..	..	..	..	..	..	2	..	1	..	..	..	8	Steam—Hospital ..	3
			(b)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	2		
			(c)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms disinfected.
Dalton-in-Furness	Joint at High Carley—30 beds	At Barrow Boro. hospital	(a)	..	8	3	1	..	..	..	..	..	..	2	26	6	9	..	..	..	55	No apparatus ..	40
			(b)	..	4	..	..	..	..	..	2	..	..	..	18	10	..	7	4	..	45		
			(c)	..	4	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	5		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Ulverston ..			(a)	..	1	..	27	5	..	..	..	..	..	..	24	..	130	..	..	..	187	No apparatus ..	55
			(b)	..	..	..	..	1	..	..	..	..	..	..	6	4	1	6	2	..	20		
			(c)	..	1	..	25	2	..	..	..	..	..	..	..	..	..	..	..	..	28		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Ulverston (R.) ..			(a)	..	13	8	37	5	..	..	2	..	..	..	24	5	71	..	..	..	165	No apparatus ..	63
			(b)	..	1	..	2	..	..	..	1	1	..	..	14	7	..	9	..	..	35		
			(c)	..	9	..	36	3	..	..	..	..	..	..	..	..	..	..	..	..	48		
			(d)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Darwen (B.) ..	20 beds for scarlet fever; 8 for enteric fever	Converted farm-house—2 beds	(a)	..	8	12	33	1	..	..	2	1	..	1	40	11	807	..	..	..	916	Steam—Hospital ..	103
			(b)	..	1	..	2	..	..	..	3	..	..	..	32	11	8	3	3	..	63		
			(c)	..	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	26		
			(d)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Denton	4 beds, Hyde Boro. hospital	2 beds, Hyde ..	(a)	..	11	8	25	3	..	..	..	..	..	1	14	10	133	..	..	..	205	No apparatus ..	73
			(b)	..	4	1	..	..	..	..	1	..	..	..	17	4	1	8	..	..	36		
			(c)	..	3	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d)	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
Droylsden ..	5 beds, Hyde Boro. hospital	1 bed, Hyde ..	(a)	..	6	15	24	1	..	..	3	..	..	11	39	10	63	..	..	..	172	Steam—Destructor Works	68
			(b)	..	2	..	..	..	..	..	1	..	..	..	15	2	..	6	2	..	28		
			(c)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Eccles (B.) ..	20 beds, Salford Boro. hospital	6 beds, Salford ..	(a)	..	32	14	66	7	..	..	3	..	..	2	100	39	364	..	..	..	627	Steam—Sewage Works	915
			(b)	..	3	..	..	1	..	..	2	..	..	..	51	8	4	10	10	..	89		
			(c)	..	20	3	16	6	..	..	2	..	..	..	..	..	..	..	..	..	47		
			(d)	..	2	1	..	4	..	..	1	..	..	..	..	..	..	..	..	..	8		
Failsworth ..	At Oldham Borough hospital	Chadderton, &c., Joint Board—2 beds	(a)	..	11	2	14	..	..	..	..	..	..	6	56	14	218	..	..	..	321	Steam—Oldham C.B.	35
			(b)	..	..	..	1	..	..	..	..	..	..	..	16	12	1	6	4	..	40		
			(c)	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Farnworth ..	30 beds	At Bury, &c., joint hospital	(a)	..	6	2	25	7	..	..	1	..	..	6	49	22	26	..	..	..	144	Steam—Hospital ..	138
			(b)	..	1	1	2	2	..	..	..	..	..	..	32	5	..	17	9	..	69		
			(c)	..	2	..	18	4	..	..	..	..	..	..	..	..	..	..	..	..	24		
			(d)	..	1	..	1	3	..	..	..	..	..	..	..	..	..	..	..	..	5		
Little Lever ..	At Farnworth hospital		(a)	..	4	3	30	4	..	..	..	1	..	..	1	1	4	..	..	..	48	Steam—Hospital ..	37
			(b)	..	1	..	3	1	..	..	..	1	..	..	4	2	..	7	2	..	21		
			(c)	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Formby .. .	At Bootle Borough hospitals		(a)	..	17	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	27	Steam—Bootle C.B.	27
			(b)	..	3	..	..	..	..	..	..	..	..	..	4	2	1	..	..	..	10		
			(c)	..	8	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	12		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Grange-over-Sands	At Kendal Borough hospital	At Barrow Borough hospital	(a)	..	2	..	1	2	..	..	..	..	..	..	6	..	16	..	..	..	27	At Kendal Hospital..	5
			(b)	..	1	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	5		
			(c)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Great Crosby ..	At Liverpool Borough hospitals ..		(a)	..	15	7	57	3	..	1	..	..	..	..	34	9	151	..	..	..	277	Dry Heat—Council's Yard	187
			(b)	..	..	..	2	1	..	..	..	..	..	..	13	5	1	2	..	..	24		
			(c)	..	4	1	36	2	..	..	..	..	..	..	..	..	..	..	..	..	43		
			(d)	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2		
Great Harwood ..	Nil	Nil	(a)	..	8	5	9	3	..	..	..	..	..	2	18	4	45	..	..	..	94	Steam—Accrington (B.)	47
			(b)	..	1	..	..	..	..	..	..	..	..	..	11	7	..	2	1	..	22		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Haslingden (B.)	Agreement with Bury and District Joint Hospital Board		(a)	..	4	11	13	..	..	1	..	..	..	1	17	8	387	..	..	..	442	Steam—Destructor Works	60
			(b)	..	1	..	..	..	..	..	..	..	..	..	18	5	1	12	..	..	37		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Haydock ..	10 beds at St. Helens Borough hospital	Two wooden pavilions (3 beds)	(a)	..	10	9	69	2	..	..	1	1	..	..	15	2	181	..	..	..	290	Steam—St. Helens C.B.	79
			(b)	..	1	..	2	..	..	..	1	..	..	..	10	..	10	5	8	..	37		
			(c)	..	3	..	27	2	..	..	..	1	..	..	..	..	..	..	..	..	33		
			(d)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
Heysham ..	4 beds	4 beds	(a)	..	3	1	22	1	..	..	..	..	..	..	2	..	12	..	..	..	41	Steam—Lancaster (B.)	29
			(b)	..	..	..	1	..	..	..	..	..	1	..	1	1	..	..	..	..	4		
			(c)	..	1	..	22	..	..	..	..	..	..	..	..	..	..	..	..	..	23		
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Heywood (B.)	At Rochdale hospital (Marland)	Bury and District Joint Board at Birtle	(a)	..	70	19	11	4	..	..	..	1	..	4	57	21	32	..	..	..	219	Steam—Hospitals ..	127
			(b)	..	4	2	1	1	..	..	..	1	..	..	24	7	..	3	3	..	46		
			(c)	..	47	..	1	3	..	..	..	..	..	..	..	..	..	..	..	..	51		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Hindley	16 beds; also at Horwich and Abram when beds available	Arrangement with Leigh Joint Hospital Board	(a)	..	18	18	44	5	..	..	4	..	..	19	33	19	217	..	..	43	420	Steam—Town's Yard	155
			(b)	..	6	..	1	4	..	..	2	..	..	..	15	7	..	14	7	..	56		
			(c)	..	6	..	25	3	..	..	1	..	..	..	..	..	..	..	..	..	35		
			(d)	..	3	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	6		
Huyton-with-Roby	1 bed at Whiston (more if vacant)	1 bed at Whiston (more if vacant)	(a)	..	2	2	8	..	..	..	..	..	..	..	5	..	20	..	..	..	37	Steam—Whiston Sanatorium	8
			(b)	..	2	..	..	..	..	..	..	..	..	..	3	..	..	..	3	..	8		
			(c)	..	2	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Ince-in-Makerfield	16 beds	12 beds*	(a)	..	7	6	39	10	..	..	..	..	..	5	37	14	236	..	..	17	371	Steam—Hospital ..	115
			(b)	..	..	..	..	4	..	..	..	..	..	..	33	5	6	13	12	..	73		
			(c)	..	..	..	8	3	..	..	..	..	..	..	..	..	..	..	..	..	11		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Irlam	At Salford Boro. hospital (no contract)	2 beds, Salford ..	(a)	1	1	4	6	4	..	..	..	..	1	3	9	4	215	..	..	..	248	Steam—Town's Yard	10
			(b)	..	..	1	..	1	..	..	1	..	1	..	7	3	2	1	..	..	17		
			(c)	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Kearsley ..	At Salford Boro. hospital	At Bury, &c., joint hospital	(a)	..	5	6	7	2	..	..	..	..	..	1	8	8	2	..	..	..	37	Steam—Farnworth ..	36
			(b)	..	..	..	..	1	..	..	..	..	..	..	7	1	..	2	2	..	13		
			(c)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Lancaster (B.) ..	42 beds	11 beds, Littlefell..	(a)	..	20	20	15	9	..	..	1	..	..	11	94	35	665	..	..	..	870	Steam—Hospital ..	100
			(b)	..	6	1	..	..	..	..	1	..	1	..	51	16	3	12	12	..	103		
			(c)	..	13	..	13	6	..	..	..	..	..	..	..	..	1	..	..	..	33		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Lathom and Burscough	Joint at Green Lane—26 beds	Joint at Burscough—12 beds	(a)	..	19	3	8	3	..	..	1	3	..	..	13	5	279	..	..	..	334	Steam—Hospital ..	43
			(b)	..	1	..	..	..	..	..	1	2	..	..	7	5	8	..	3	..	27		
			(c)	..	16	..	8	2	..	..	..	1	..	..	..	..	..	..	..	..	27		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Ormskirk ..			(a)	..	11	3	7	3	..	..	..	..	..	..	20	5	170	..	..	..	220	Steam—Hospital ..	34
			(b)	..	..	..	..	..	..	..	..	..	..	..	13	5	1	1	1	..	21		
			(c)	..	9	..	7	3	..	..	..	..	..	..	..	..	1	..	..	..	20		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Lees	At Oldham Boro. hospital	Arrangement with Chadderton, &c., joint hospital contemplated	(a)	..	..	1	3	13	..	..	..	..	..	2	2	1	4	..	..	..	26	Steam—Oldham C.B. for smallpox cases	14
			(b)	..	..	..	..	4	..	..	..	..	..	..	2	..	..	5	1	..	12		
			(c)	..	..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	7		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Litherland ..	At Bootle Borough	hospitals	(a)	..	41	5	61	1	..	..	1	..	..	3	90	4	188	..	30	..	424	Steam—Council's Depot, School Lane	101
			(b)	..	3	1	4	..	..	..	†2	..	..	..	24	5	6	2	9	..	56		
			(c)	..	27	4	40	1	..	..	1	..	..	..	..	..	..	..	..	..	73		
			(d)	..	1	1	3	..	..	..	1	..	..	..	..	..	..	..	..	..	6		
Littleborough ..	Joint at Smithy Bridge—16 beds	At Bury, &c., joint hospital	(a)	..	..	3	2	3	..	..	..	..	3	2	23	5	490	..	..	..	531	Steam—Hospital; also Dry-heat—Canal Wharf	11
			(b)	..	..	1	..	1	..	..	..	..	1	..	7	6	1	8	..	..	25		
			(c)	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Milnrow			(a)	..	3	4	14	..	..	..	..	..	..	1	22	5	276	..	..	..	325	Steam (portable)—Council Offices	30
			(b)	..	..	..	..	‡2	..	..	..	..	..	..	9	2	2	9	2	..	26		
			(c)	..	2	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	14		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Wardle			(a)	..	2	8	2	..	..	..	..	..	..	1	12	4	65	..	..	..	94	Steam—Hospital ..	3
			(b)	..	..	1	..	..	..	..	..	..	..	..	7	1	1	1	..	..	11		
			(c)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

‡ Not notified—One diagnosed by post-mortem examination; one a transferable death occurring in Rochdale C.B. † Inward transfers.

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.	Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Disinfection. Apparatus and where situated.	No. of Houses or Rooms dis-infected.
	For ordinary infectious diseases.	For Small-pox.																					
Little Crosby ..	At Liverpool Borough hospitals ..		(a)	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	Dry-heat—Great Crosby	4
			(b)	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Little Hulton	At Bolton Boro. hospital and at Leigh joint hospital	At Bury, &c., joint hospital and at Leigh joint hospital	(a)	..	2	7	5	7	..	..	1	..	..	..	11	5	21	..	..	..	59	Steam—Hospital ..	54
			(b)	..	..	..	..	6	..	..	..	..	..	..	7	4	1	1	..	..	19		
			(c)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Middleton (B.) ..	At Rochdale Boro. hospital	At Chadderton &c., joint hospital	(a)	..	22	8	8	3	..	..	1	..	..	4	67	27	254	..	..	..	394	Steam—Centre of Town	108 (rooms)
			(b)	..	..	..	..	2	..	..	2	..	..	..	30	8	13	5	2	..	62		
			(c)	..	11	..	4	2	..	..	..	..	..	..	..	..	..	..	..	..	17		
			(d)	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2		
Morecambe (B.)	25 beds and 2 cots	10 beds and 1 cot	(a)	..	13	3	30	..	..	..	..	1	..	1	42	4	41	..	..	..	135	Steam—near Electricity Works	68
			(b)	..	2	..	..	..	..	..	..	..	..	..	13	2	..	..	1	..	18		
			(c)	..	8	..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	33		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Mossley (B.) ..	Nil	8 beds, May Hills..	(a)	..	26	2	12	2	..	..	..	..	..	..	14	3	4	..	..	..	63	Steam—Corporation Yard	58
			(b)	..	..	..	..	..	..	..	..	..	..	..	10	1	..	..	..	..	11		
			(c)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Nelson (B.) ..	8 beds (Catlow) ..	32 beds (Catlow) ..	(a)	..	27	13	28	..	..	..	..	..	..	3	28	14	1020	..	..	..	1133	Steam—Destructor Works	150 (rooms)
			(b)	..	4	..	2	..	..	..	..	1	..	..	34	8	9	2	3	..	62		
			(c)	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Newton-in-Makerfield	26 beds	At Liverpool Boro. hospital	(a)	..	20	18	29	1	..	..	..	1	..	1	32	16	146	..	..	..	264	Steam—Hospital ..	322 (292 rooms and 30 schools)
			(b)	..	..	..	..	..	..	..	1	1	..	..	20	3	1	3	5	..	34		
			(c)	..	14	..	23	1	..	..	..	..	..	..	..	..	..	..	..	..	38		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Norden	Nil	Converted farm-house—4 beds	(a)	..	2	2	1	..	..	..	..	..	..	..	8	5	58	..	..	..	76	Steam—Rochdale C.B.	12
			(b)	..	..	..	..	..	..	..	..	..	..	..	3	2	1	..	..	..	6		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Orrell	Nil	Nil*	(a)	..	..	4	13	3	..	..	..	..	..	..	6	4	103	..	..	..	133	No apparatus ..	20
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3	..	6		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Oswaldtwistle ..	Nil	6 beds	(a)	..	12	6	2	2	..	..	..	..	..	6	17	4	255	..	..	..	304	Steam—Gas Works	153
			(b)	..	5	..	..	1	..	..	..	..	..	..	17	1	8	6	..	..	38		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Prescot	At Whiston Sanatorium		(a)	..	71	1	36	1	..	..	2	..	..	..	9	..	169	..	..	..	289	Steam—Whiston Sanatorium ..	120
			(b)	..	20	..	..	..	..	..	2	..	..	..	14	4	6	1	3	..	50		
			(c)	..	61	..	19	1	..	..	1	..	..	..	..	..	..	..	..	..	82		
			(d)	..	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16		
Prestwich ..	At Salford Borough hospitals		(a)	..	28	3	5	..	..	..	..	..	1	1	15	3	271	5	..	..	332	No apparatus ..	46
			(b)	..	3	..	..	..	..	..	..	..	..	..	22	3	..	4	2	..	34		
			(c)	..	23	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	27		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Radcliffe ..	At hospitals of the Bury and District Joint Hospital Board :—		(a)	..	19	3	51	3	..	..	2	..	..	4	39	18	189	..	..	..	328	Steam—Hospital ..	216
			(b)	..	3	..	6	1	..	..	..	..	1	..	27	4	2	3	..	..	47		
			(c)	..	15	..	31	3	..	..	..	..	..	..	..	..	..	..	..	..	49		
			(d)	..	1	..	5	1	..	..	..	..	..	..	..	..	..	..	..	..	7		
Ramsbottom ..			(a)	..	13	2	20	2	..	..	..	1	..	3	9	1	338	..	..	..	389	Steam—Destructor Works	50
			(b)	..	3	..	..	1	..	..	..	1	..	..	10	2	2	..	3	..	22		
			(c)	..	7	..	14	1	..	..	..	1	..	..	..	..	..	..	..	..	23		
			(d)	..	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	4		
Tottington ..	90 beds	40 beds	(a)	..	8	5	5	..	..	..	1	..	..	..	13	6	115	..	..	..	153	Steam—Hospital ..	19
			(b)	..	4	..	..	..	..	..	..	..	..	..	13	2	..	..	..	..	19		
			(c)	..	2	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Whitefield ..			(a)	..	7	3	8	4	..	..	..	..	..	..	3	5	50	..	..	..	80	Steam—Florence Nightingale Hospital, Bury	16
			(b)	..	..	..	..	..	..	..	..	..	..	..	5	3	..	..	3	..	11		
			(c)	..	4	..	4	4	..	..	..	..	..	..	..	..	..	..	..	..	12		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Bury (R.) ..			(a)	..	6	4	16	3	..	..	..	..	..	..	10	12	143	..	..	..	194	Steam—Florence Nightingale Hospital, Bury	140
			(b)	..	..	..	2	..	..	..	..	..	..	..	7	5	1	1	..	..	16		
			(c)	..	6	..	8	2	..	..	..	..	..	..	..	..	..	..	..	..	16		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Rainford ..	Nil	4 beds	(a)	..	4	1	39	..	..	..	..	..	..	..	1	..	14	..	..	..	59	No apparatus ..	30
			(b)	..	..	..	1	..	..	..	..	..	..	..	2	..	..	1	..	..	4		
			(c)	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Rawtenstall (B.)	Arrangement made with Bury and District Joint Hospital Board	22 beds (The Ridge)	(a)	..	2	5	5	5	..	..	2	1	..	2	27	13	547	..	..	..	609	Steam—Small-pox hospital	38
			(b)	..	1	..	..	1	..	..	2	1	..	..	28	7	5	8	3	..	56		
			(c)	..	1	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1		
Rishton	Nil. "Occasionally send to Blackburn"	At Oswaldtwistle by agreement from 1st January, 1918	(a)	..	6	9	2	..	..	..	..	..	..	..	5	3	124	..	..	..	149	Steam—Blackburn C.B.	52
			(b)	..	1	..	..	..	..	..	..	..	..	..	5	1	..	1	..	..	8		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Skelmersdale ..	30 beds; and at West Lancashire hospital (if required)	Nil	(a)	..	14	6	3	..	..	..	..	..	..	..	9	6	188	..	..	..	226	Steam—West Lancashire Hospital	60
			(b)	..	..	..	..	..	..	..	1	..	..	..	8	2	3	3	2	..	19		
			(c)	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
[illegible]andish-with-Langtree	Nil	Cottage—6 beds*	(a)	..	3	4	10	10	..	..	1	..	..	..	11	3	65	..	..	..	107	No apparatus ..	24
			(b)	..	..	..	..	2	..	..	..	..	..	..	4	1	1	5	..	..	13		
			(c)	..	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d)	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2		
[illegible]retford ..	At Salford Borough hospitals (18 beds) ..	(6 beds) ..	(a)	..	32	20	37	3	..	..	1	..	..	14	93	18	266	..	..	80	564	Steam—Sanitary Depôt	336
			(b)	..	6	1	..	2	..	..	..	..	..	..	41	7	3	5	6	..	71		
			(c)	..	19	3	22	3	..	..	..	..	..	..	..	..	1	..	..	..	48		
			(d)	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	4		
[illegible]winton and Pendlebury	At Salford Boro. hospital (14 beds)	Joint at Linnyshaw Moss—20 beds	(a)	..	29	23	35	6	..	..	..	..	2	5	80	31	97	..	..	..	308	Steam—Destructor Works	148
			(b)	..	5	..	..	2	..	..	1	..	..	..	40	5	1	6	3	..	63		
			(c)	..	3	..	9	5	..	..	..	..	..	..	..	..	..	..	..	..	17		
			(d)	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2		
[illegible]orsley	At Salford Boro. hospital (6 beds)		(a)	..	7	2	10	7	..	..	1	..	1	..	7	3	101	..	..	..	139	Steam—Salford C.B.	54
			(b)	..	1	..	..	5	..	..	..	..	..	..	17	6	..	..	1	..	30		
			(c)	..	..	..	1	3	..	..	..	..	..	..	..	..	1	..	..	..	5		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
[illegible]rawden ..	At Colne Borough hospitals		(a)	..	3	..	..	1	..	..	..	..	..	..	2	..	127	..	..	..	133	Steam—Nelson (B.) ..	4
			(b)	..	..	..	..	1	..	..	..	..	..	..	..	..	2	..	..	..	3		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
[illegible]urton	At Bury, &c., joint hospital	2 beds (Bury, &c., joint hospital)	(a)	..	10	4	7	..	..	..	..	..	..	..	14	6	162	..	..	..	203	Steam—Hospital ..	55
			(b)	..	..	..	..	..	..	..	..	..	..	..	5	1	1	7	2	..	16		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
[illegible]phollandd ..	Nil. Occasionally sent to Wigan C.B.	Tent—8 beds* ..	(a)	..	..	1	15	11	..	..	2	..	..	..	9	6	5	..	..	..	49	No apparatus ..	33
			(b)	..	..	..	..	2	..	..	..	..	..	..	3	1	..	2	3	..	11		
			(c)	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
[illegible]rmston ..	At Salford Borough hospitals (5 beds) ..	(2 beds) ..	(a)	..	2	2	9	..	..	..	..	..	..	..	13	2	191	..	..	..	219	Steam—Salford C.B.	19
			(b)	..	..	..	..	..	..	..	..	..	..	..	7	1	..	..	2	..	10		
			(c)	..	1	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
[illegible]alton-le-Dale ..	20 beds (School Lane)	8 beds (Bradkirk)	(a)	..	6	..	3	2	..	..	..	..	..	1	25	6	75	..	..	..	118	Steam—Hospital ..	18
			(b)	..	1	..	..	..	..	..	..	..	..	..	15	3	..	..	..	..	19		
			(c)	..	6	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	11		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
[illegible]aterloo-with-Seaforth	At Liverpool Borough hospitals ..		(a)	..	66	13	106	2	..	..	..	1	..	5	74	23	685	..	18	..	993	Steam—Council's Yard	301
			(b)	..	2	1	3	..	..	..	..	1	..	..	31	8	10	5	3	..	64		
			(c)	..	41	..	68	1	..	..	..	..	..	..	..	..	2	..	..	..	112		
			(d)	..	1	..	4	..	..	..	..	..	..	..	..	..	2	..	..	..	7		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																			Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Whitworth ..	Nil	Cottage—12 beds	(a)	..	9	7	9	1	..	..	..	..	..	..	17	3	159	..	..	..	205	No apparatus ..	31
			(b)	..	3	..	1	..	..	..	..	..	..	..	11	..	2	4	1	..	22		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Widnes (B.) ..	36 beds (Crow Wood)	8 beds (Barrow's Green)	(a)	..	38	6	28	1	..	..	..	..	..	5	52	37	678	..	..	..	845	Steam—Hospital ..	59
			(b)	..	3	..	..	..	..	..	..	..	..	..	40	7	26	7	14	..	97		
			(c)	..	22	..	23	1	..	..	..	..	..	..	..	..	..	..	..	..	46		
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Withnell ..	25—30 beds ..	1 bed at Finnington (Blackburn)	(a)	..	4	3	7	..	..	..	..	..	..	..	5	3	3	..	..	..	25	Steam—Hospital ..	10
			(b)	..	1	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	4		
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Barton-upon-Irwell (R.)	At Salford Borough hospitals .. .. (5 beds) (2 beds)		(a)	..	10	5	14	1	..	..	..	..	..	1	21	1	251	..	..	..	304	Steam—Mode Wheel, Salford	30
			(b)	..	1	..	..	..	..	..	..	..	..	..	17	2	..	1	1	..	22		
			(c)	..	3	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	11		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Lancaster (R.) ..	At Lancaster Borough hospitals ..		(a)	..	2	3	2	2	..	..	..	..	..	2	4	3	124	..	..	..	142	No apparatus ..	13
			(b)	..	..	1	..	1	..	..	1	..	..	..	8	5	..	4	4	..	24		
			(c)	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
Blackburn (R.) ..	Arrangement with Blackburn (C.B.), Chorley (joint), & Withnell fever hospitals	At Blackburn Boro. hospital	(a)	..	2	1	6	3	..	..	..	..	..	..	7	2	104	..	..	..	125	Steam—Blackburn C.B.	19
			(b)	..	1	..	..	1	..	..	..	..	..	..	6	2	..	..	1	..	11		
			(c)	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Lunesdale (R.) ..	Hospital at Farleton (13 beds)		(a)	..	1	..	2	1	..	..	..	..	..	..	..	..	10	..	..	..	14	Steam—Lancaster (B.)	27
			(b)	..	..	..	..	1	..	..	..	..	..	..	2	1	..	..	1	..	5		
			(c)	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Sefton (R.) ..	At Liverpool Borough hospitals ..		(a)	..	5	1	20	..	..	..	..	..	..	..	4	1	59	..	..	..	90	Steam—Liverpool C.B.	61
			(b)	..	1	..	..	..	..	..	..	..	..	..	6	2	..	3	1	..	13		
			(c)	..	4	..	15	..	..	..	..	..	..	..	..	..	..	..	..	..	19		
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Warrington (R.)	At Warrington C.B. and Newton-in-Makerfield	Nil	(a)	..	34	12	17	2	..	..	3	..	..	1	16	7	94	..	..	..	186	Steam—Hospital ..	47
			(b)	..	4	1	..	1	..	..	1	..	..	..	10	2	..	5	9	..	33		
			(c)	..	18	1	9	1	..	..	2	..	..	..	..	..	..	..	..	..	31		
			(d)	..	2	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	4		
West Lancashire (R.)	26 beds—(Aughton)	Tent—8 beds. Arrangement with Liverpool Corporation for additional accommodation	(a)	..	29	10	49	4	..	..	..	..	..	..	32	5	555	..	..	..	684	Steam—Hospital ..	125 and 19 schools
			(b)	..	4	..	1	..	..	..	..	..	..	..	14	4	1	3	3	..	30		
			(c)	..	15	..	41	2	..	..	..	..	..	..	..	..	..	..	..	..	58		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		

District.	Nature of Hospital accommodation.		Infectious Diseases. Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																		Disinfection.	
	For ordinary infectious diseases.	For Small-pox.		Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhœa, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.
Whiston (R.) ..	34 beds	20 beds	(a)	..	44	7	38	1	..	..	..	..	..	2	..	..	510	..	..	..	602	Steam—Sanatorium	124
			(b)	..	7	1	3	..	..	..	1	..	..	..	23	4	6	9	2	..	56		
			(c)	..	38	..	33	1	..	..	..	..	..	..	..	..	..	..	..	..	72		
			(d)	..	4	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	6		
Wigan (R.) ..	Nil	Cottage—4 beds*	(a)	..	8	5	15	3	..	..	..	..	..	..	11	4	78	..	..	..	124	No apparatus ..	119
			(b)	..	..	..	..	1	..	..	1	..	..	..	7	2	1	1	..	..	13		
			(c)	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	3		
			(d)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1		
County, 1918:—																							
Total cases notified			(a)	1	1592	732	1961	319	..	2	49	17	11	232	2594	948	21653	37	48	324	†30538		
,, deaths			(b)	..	244	25	49	91	..	..	44	15	9	..	1652	435	319	478	298	..	3659		
,, removals to hospital			(c)	1	738	14	991	192	..	..	7	8	..	1	..	..	11	1	..	1	1865	Total houses or rooms disinfected ..	9815
,, deaths in hospital			(d)	..	101	2	32	49	..	..	4	3	..	..	..	..	4	1	..	..	1 6		

† Includes 13 cases of scabies at Ashton-under-Lyne (B.).

TABLE F.—STATISTICS OF INFECTIOUS DISEASES NOTIFIED IN ADMINISTRATIVE COUNTIES FOR THE YEAR 1918.

	Estimated Civil Population, 1918.	Cases Notified.													
		Scarlet Fever.		Diphtheria.		Enteric Fever.		Puerperal Fever.		Erysipelas.		Small-pox.	Cerebro-Spinal Fever.	Polio-myelitis.	Ophthalmia Neonatorum.
		Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.				
England and Wales	33,474,680	48,180	1·44	43,713	1·31	4,306	0·13	1,206	0·04	12,463	0·37	63	798	228	6 532
Aggregate of English Administrative Counties (excluding London)	16,398,042	19,410	1·18	19,336	1·18	2,484	0·15	413	0·03	5,300	0·32	9	333	118	1,933
Administrative Counties :—															
Lancashire	1,537,916	1,921	1·25	1,569	1·02	304	0·20	48	0·03	725	0·47	1	18	10	221
Cheshire	549,178	754	1·37	613	1·12	52	0·09	14	0·03	154	0·28	...	7	10	64
Cumberland	197,934	164	0·83	254	1·28	23	0·12	2	0·01	64	0·32	...	3	1	10
Derbyshire	520,438	724	1·39	782	1·50	56	0·11	22	0·04	138	0·27	...	10	3	57
Durham	830,818	2,282	2·75	986	1·19	173	0·21	19	0·02	331	0·40	...	7	3	132
Kent	912,515	1,166	1·28	1,509	1·65	122	0·13	24	0·03	254	0·28	7	22	2	131
Middlesex	1,148,569	1,321	1·15	1,405	1·22	121	0·11	33	0·03	351	0·31	...	17	17	154
Northumberland	355,021	563	1·59	401	1·13	270	0·76	4	0·01	161	0·45	...	3	...	44
Nottinghamshire	339,456	415	1·22	270	0·80	56	0·16	6	0·02	163	0·48	...	6	1	39
Staffordshire	626,312	669	1·07	763	1·22	45	0·07	16	0·03	191	0·30	...	18	4	101
Surrey	646,003	789	1·22	918	1·42	136	0·21	26	0·04	170	0·26	1	16	4	82
Warwickshire	299,934	374	1·25	338	1·13	25	0·08	9	0·03	126	0·42	...	4	...	47
Yorkshire (West Riding) ...	1,347,149	1,276	0·95	1,426	1·06	294	0·22	39	0·03	472	0·35	...	15	7	203

MEM.—The above totals and rates are taken from a Report of the Local Government Board; the totals for Lancashire do not quite agree with the totals of notifications as extracted from local reports.

* Calculated per 1,000 of the Estimated Civil Population.

As compared with 1917 there was a decrease of 5,770 cases of measles; other decreases were: scarlet fever 694, chicken-pox 146, &c. Diphtheria had an increased prevalence over 1917 to the extent of 152 cases.

Chicken-pox was compulsorily notifiable for limited periods in the following districts: Ashton-under-Lyne (B.) Bacup (B.), Crompton, Hindley, Ince-in-Makerfield, Poulton-le-Fylde, Royton, and Stretford. Whooping Cough is notifiable at Poulton-le-Fylde, Prestwich, and St. Annes-on-the-Sea, and infantile diarrhœa at Litherland and Waterloo-with-Seaforth. In November, scabies was made notifiable at Ashton-under-Lyne (B.) for a period of twelve months.

Table F, here inserted, compares the incidence of certain infectious diseases in this County with other counties, and with the aggregate of English Administrative Counties.

By the Public Health (Notification of Infectious Disease) Regulations, 1918, a uniform form of certificate or notification is prescribed, in place of a variety of different kinds of forms hitherto in use.

The Public Health (Acute Encephalitis Lethargica and Acute Polio-encephalitis) Regulations, 1918, made the diseases named compulsorily notifiable for a period of one year from the 1st January, 1919.

From 1st March, 1919, by the Public Health (Pneumonia, &c.) Regulations, 1919, malaria, dysentery, trench fever, acute primary pneumonia, and acute influenzal pneumonia became compulsorily notifiable.

Isolation Hospitals.—Table E, inserted opposite page liv., shows the nature of the hospital accommodation provided in, or available for, each County sanitary district, and gives for each district—

(*a*) the number of cases of infectious disease notified,

(*b*) the total deaths from such diseases,

(*c*) the number of cases removed to hospital, and

(*d*) the number of deaths in hospital.

The table below gives the percentage of removals to hospital of cases of scarlet fever, diphtheria, and enteric fever, and contrasts the mortality from these diseases of cases treated at home with those isolated in hospital :—

	Total cases notified.	Hospital Treatment.			Home Treatment.		Case mortality per cent.	
		Cases removed to hospital.	Percentage of removals.	Deaths in hospital.	Cases treated at home.	Deaths at home.	In hospital.	At home.
Small-pox ..	1	1	100	..	..	..	..	..
Scarlet Fever.	1961	991	50·5	32	970	17	3·22	1·75
Diphtheria ..	1592	738	46·3	101	854	143	13·68	16·74
Enteric Fever.	319	192	60·1	49	127	42	25·52	33·07

The percentages of removals to hospital in the preceding year were: scarlet fever 55·1 of the total notifications, diphtheria 39·3 per cent., and enteric fever 54·6 per cent.

Reference to Table E will show as regards many areas the inadequacy, or absence, of hospital accommodation.

Disinfection.—The following statement shows the position of the County districts in regard to the provision of disinfecting apparatus :—

Districts provided with steam apparatus ...	27
,, using steam apparatus at hospitals ...	42
,, using steam apparatus belonging to other districts (mainly County or Municipal Boroughs)	29
,, provided with dry-heat apparatus ...	1
,, using dry-heat apparatus belonging to other districts	1
,, without proper appliances	22
	122

Several populous areas, as will be seen on reference to Table E, are still unprovided with efficient means of disinfection.

Houses or rooms fumigated in 1918, after the occurrence of infectious disease, numbered 9,815.

Housing of the Working Classes.—The following tabular statement gives brief details, as supplied by the local Medical Officers of Health, of the action taken by District Councils in 1918 in regard to housing:—

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
URBAN.								
Abram	..	..	..	..	..	..	..	..
Accrington (B.)		4	4	4	..	4	..	..
Adlington	..	..	..	..	..	..	..	..
Ashton-in-Makerfield	..	..	..	..	..	..	..	..
Ashton-under-Lyne (B.)	..	..	10	10	..	..	..	..
Aspull	..	..	..	..	..	..	..	..
Atherton	54	..	..	..	..	54	..	..
Audenshaw	48	22	..	..	..	10	..	1
Bacup (B.)	..	..	..	..	..	..	..	..
Barrowford	107	..	..	..	..	12	..	..
Billinge	6	2	..	..	..	..	..	..
Blackrod	..	..	..	..	..	6	..	..
Brierfield	30	..	..	..	..	..	..	..
Carnforth	..	..	..	..	..	..	..	..
Chadderton	..	..	..	..	..	..	..	..
Chorley (B.)	..	..	..	..	..	..	..	..
Church	11	..	..	..	..	10	..	..
Clayton-le-Moors	..	..	..	..	..	..	..	..
Clitheroe (B.)	43	3	3	3	..	26	..	..
Colne (B.)	5	..	..	..	..	5	..	..
Crompton	..	..	..	..	..	..	..	..
Croston	..	..	..	..	..	..	..	..
Dalton-in-Furness	..	..	..	..	..	..	..	..
Darwen (B.)	226	..	..	..	.	..	..	..
Denton	3	3	..	..	..	3	..	..
Droylsden	7	7	..	..	..	6	..	..
Eccles (B.)	56	..	..	..	..	24	..	..
Failsworth	..	..	..	..	..	..	..	..
Farnworth	180	..	..	..	..	..	..	..
Fleetwood	..	..	..	..	..	..	..	..
Formby	12	2	1	1	..	4	..	..
Fulwood	..	..	..	..	..	..	..	..
Golborne	..	..	..	..	..	..	..	..
Grange-over-Sands	..	..	..	..	..	..	..	..
Great Crosby	..	..	..	..	..	..	..	..
Great Harwood	..	..	..	..	..	..	..	..
Haslingden (B.)	..	..	..	..	..	..	..	..
Haydock	160	..	..	..	..	..	..	..
Heysham	..	..	..	..	..	..	..	..
Heywood (B.)	178	7	..	..	..	55	..	..
Hindley	24	24	24	24	24	6	..	1
Horwich	35	9	..	..	..	9	..	..

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses		
	Total number Inspected	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	o. demolished.
Hurst	1050	..	..	..	..	..	..	..
Huyton-with-Roby	..	..	..	.	..	..	..	..
Ince-in-Makerfield	..	9	9	9	5	4	5	..
Irlam	..	..	..	..	..	..	..	..
Kearsley	..	..	..	..	..	..	..	..
Kirkham	16	4	..	..	..	2	..	..
Lancaster (B.)	..	..	..	..	..	..	..	..
Lathom & Burscough	..	..	..	..	..	..	..	..
Lees	..	..	..	..	..	..	..	..
Leigh (B.)	..	..	..	..	..	..	..	..
Leyland	..	..	..	..	..	..	..	..
Litherland	..	..	..	..	..	..	..	..
Littleborough	90	..	..	..	..	..	..	..
Little Crosby	7	..	..	..	..	..	1	..
Little Hulton	20	..	..	..	..	..	..	..
Little Lever	51	10	3	3	..	..	..	..
Longridge	..	..	..	..	..	..	..	..
Lytham	..	..	..	..	..	..	..	..
Middleton (B.)	281	..	2	2	2	..	..	2
Milnrow	12	..	..	..	..	3	..	..
Morecambe (B.)	15	15	..	15	..	..	..	..
Mossley (B.)	..	..	..	..	..	..	..	..
Nelson (B.)	..	..	..	..	..	..	..	..
Newton-in-Makerfield	4	4	..	..	..	4	..	..
Norden	20	20	..	..	..	..	..	..
Ormskirk	1	1	1	1	1	..	..	..
Orrell	156	86	28	..	..	..	..	*2
Oswaldtwistle	..	..	..	..	..	..	..	..
Padiham	10	..	..	..	..	..	..	..
Poulton-le-Fylde	..	..	..	..	..	..	..	..
Preesall	..	..	..	..	..	..	..	..
Prescot	150	4	4	4	..	..	..	..
Prestwich	1	1	..	..	..	..	..	..
Radcliffe	10	10	10	10	10	..	3	8
Rainford	..	..	..	..	..	..	..	..
Ramsbottom	29	29	5	1	5	24	..	..
Rawtenstall (B.)	..	..	..	..	..	..	..	..
Rishton	90	18	..	..	..	..	14	..
Royton	12	12	7	7	7	2	..	..
St. Annes-on-the-Sea	..	..	..	..	..	..	..	..
Skelmersdale	..	..	..	..	..	..	..	..
Standish-with-Langtree	..	..	..	..	..	..	..	..
Stretford	..	..	..	..	..	..	..	..
Swinton and Pendlebury	..	..	..	..	..	..	..	..
Thornton	..	..	..	..	..	..	..	..
Tottington	..	..	..	..	..	..	..	..
Trawden	109	9	..	..	..	9	..	..
Turton	..	..	..	..	..	..	..	..
Tyldesley-with-Shakerley	50	..	..	..	..	50	..	..
Ulverston	6	2	2	..	..	..	..	4
Upholland	..	..	..	..	..	..	..	..
Urmston	30	..	..	..	..	..	..	..

* 2 Closed voluntarily

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
Walton-le-Dale	24	..	24	24	24	..	..	..
Wardle	36	..	..	..	..	..	..	..
Waterloo-with-Seaforth	..	..	..	..	..	..	..	..
Westhoughton	..	..	..	..	..	..	..	..
Whitefield	..	..	..	..	..	..	..	..
Whitworth	..	..	..	..	..	..	..	2
Widnes (B.)	..	..	..	..	..	..	..	..
Withnell	60	..	..	..	..	32	..	..
Worsley	104	..	..	..	..	44	..	..
Total Urban Districts.	3579	317	137	118	78	408	23	20
RURAL.								
Barton-upon-Irwell	..	..	..	..	..	..	..	..
Blackburn	..	..	..	..	..	..	..	..
Burnley	4	4	4	1	1	..	†	..
Bury	35	..	15	..	..	6	..	..
Chorley	..	..	..	1	..	..	..	1
Clitheroe (Lancashire portion)	81	..	..	..	..	..	..	..
Fylde	71	..	..	..	..	..	‡1	..
Garstang	4	1	1	1	1	..	..	..
Lancaster	..	..	..	..	..	..	..	..
Leigh	107	11	11	..	..	32	..	..
Limehurst	..	..	..	..	..	..	..	..
Lunesdale	..	3	3	3	3	..	..	..
Preston	..	..	..	..	..	..	..	..
Sefton	112	56	14	14	14	..	..	..
Ulverston	238	..	..	..	..	..	..	..
Warrington	..	..	..	..	..	..	..	..
West Lancashire	..	..	..	..	..	..	..	..
Whiston	177	62	3	..	..	177	..	..
Wigan	28	12	..	..	..	..	..	..
Total Rural Districts.	857	149	51	20	19	215	1	1
Total Administrative County (1918)	4436	466	188	138	97	623	24	21
Do. (1917)	11445	601	233	178	108	941	45	56
Do. (1916)	15564	1300	329	244	163	2157	85	61
Do. (1915)	27090	4121	890	573	486	3644	296	170

† 3 Converted into workshops. ‡ Closing order made 1917.

It will be noticed that, owing largely to conditions brought about by the war, there has been a fall in the number of house inspections. Special inspections under Section 17 of the 1909

Act fell from 4,121 in 1915, 1,300 in 1916, and 601 in 1917, to 466. Representations to local authorities with a view to the making of closing orders declined from 178 in 1917 to 138, and the number of closing orders from 108 to 97.

Enquiries as to the number of houses erected in the Administrative County in 1918, elicited the following replies: by local authorities 13 (Westhoughton 12, Garstang R. 1); by private enterprise 29 (in 10 districts). In 1917 these totals were 29 and 279 respectively, and in 1916 none and 649.

On the 18th March, 1918, the Government intimated that they were prepared to afford substantial financial assistance from public funds to those local authorities who were prepared to carry through, without delay, at the conclusion of the war, a programme of housing for the working classes approved by the Local Government Board. By Circular, dated 6th February, 1919, the terms of such financial assistance were revised.

The tabular statement below gives particulars, as far as available at the time of writing (July, 1919), of definite schemes prepared or proposed by local authorities :—

District.	Building Sites.		No. of Houses.		Remarks.
	Selected.	Actually acquired	Proposed to build.	Estimated Requirements.	
URBAN.					
Abram ...	Yes	6 acres arranged for	150	...	
Ashton-in-Makerfield ...	Yes (2)	Yes (1)	200	...	Scheme submitted to L.G.B.
Atherton ...	Yes.	Have option	200	...	Do.
Audenshaw ...	...	...	50	...	Do.
Billinge ...	...	...	20	50	
Blackrod ...	...	...	50	...	
Brierfield ...	...	...	100	...	
Chadderton ...	...	...	500	...	
Clitheroe (B.) ...	Yes	Yes	80	...	Do.

District.	Building Sites.		No. of Houses.		Remarks.
	Selected.	Actually acquired.	Proposed to build.	Estimated Requirements.	
Denton ...	Yes	Negotiating	...	200 to 300	
Droylsden ...	Yes	Yes	200	250–300	
Eccles (B.) ...	(Scheme involving 75 acres.)			500	
Golborne ...	...	...	40	40	
Haydock ...	...	...	60	...	
Heywood (B.)...	Yes	Yes	80	250	
	(6½ acres.)	(No. 1 scheme.)			
Horwich ...	Yes	For 400 houses and further site of 30 acres.	400	...	Scheme submitted to L.G.B.
Irlam	...	...	...	...	4 schemes submitted to L.G.B.
Kearsley ...	...	...	50	...	
Lancaster (B.)...	...	...	500	...	
Lathom and Burscough ...	...	...	70	70	
Lees	Yes	Yes	75	...	
Leigh (B.) ...	...	...	...	...	Scheme submitted to L.G.B. ; no particulars
Litherland ...	Yes	...	300	300	
Littleborough...	Yes	Yes	50	...	L.G.B. has held inquiry
Little Hulton ...	Yes	Yes	...	200	Submitted scheme to L.G.B.
Little Lever ...	Yes	Negotiations not complete.	100	...	
Middleton(B.)...	Yes	Yes	200	...	
Mossley (B.) ...	...	...	200	...	
Ormskirk ...	Yes	...	50	...	
Orrell	...	...	75	...	
Prescot ...	Yes	Yes	60 ; and 70 next year	...	Scheme approved by L.G.B.
Prestwich ...	Yes	Yes	330	400–500	
Radcliffe ...	Yes (2)	Yes (1)	60	250	Part scheme approved by L.G.B.
Rainford ...	...	...	30	...	
Rawtenstall (B.)	Yes	Yes	...	1095	
Standish-with-Langtree ...	Yes	...	50	50	

District.	Building Sites.		No. of Houses.		Remarks.
	Selected.	Actually acquired.	Proposed to build.	Estimated Requirements.	
Stretford ...	...	...	...	...	Scheme submitted to L.G.B ; no particulars
Swinton and Pendlebury	Negotiations for land have provided sites for 250 houses.				House plans submitted to L.G.B.
Tottington ...	Yes	Yes (for 18 houses)	80	...	
Tyldesley-with Shakerley	Yes	...	100	...	
Upholland ...	Yes	Yes (for 8 houses) Negotiating for site for other 92	100	...	Scheme approved by L.G.B.
Walton-le-Dale	Yes	...	...	100–150	
Wardle ...	Yes	...	116	...	
Westhoughton	(Now acquiring land)		250		
Whitefield ...	Yes	Yes	58	...	Scheme submitted to L.G.B.
Widnes (B.) ...	...	...	...	400	
RURAL.					
Blackburn ...	Yes	...	64	...	
Lancaster ...	...	...	9	...	
Sefton	...	...	100	...	
Whiston ...	...	...	200	...	

Nuisances.—The following information regarding the number of nuisances dealt with during 1918, has been extracted from the local health reports :—

	1918.	1917.
Number of nuisances abated ...	24,008 ...	27,144
Number of notices served ...	15,135 ...	17,506

In 1916, nuisances abated totalled 33,180, 43,878 in 1915, and 55,938 in 1914.

Closet Accommodation.—Information has been collated respecting the nature of the closet accommodation provided

District.	Refuse Destructors provided.	Canal Boats.		Public Abattoirs provided.	Dairies, Cowsheds, &c.				Nuisances.				Closet Accommodation.														Smoke Observations.		Medical Officer of Health and Sanitary Inspector, with Salaries.
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Samples of Milk examined for Tubercle.	Notices served. Informal.	Notices served. Statutory.	Nuisances abated.	Legal Proceedings and Result.	Privy Middens. No. of Middens.	Privy Middens. No. of Closets.	No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1918. Privy Closets to Fresh W. C's	Conversions during 1918. Privy Closets to Waste W. C's.	Conversions during 1918. Privy Closets to Pails, &c.	Conversions during 1918. Pail Closets to Fresh W. C's.	Conversions during 1918. Pail Closets to Waste W. C's.	Conversions during 1918. Waste W. C's. to Fresh W. C's.	Council's Contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.	(a) Away on military duty. (b) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Local Government Board, as shown on the last claim for repayment.
Warrington	..	4	2	..	61	7	..	..	86	19	262	..	628	628	1761	400	431	878	13	..	..	4	..	..	..	..	..	..	M.O. T. A. Murray, £170 I. F. W. Kerfoot, £170
West Lancashire	..	..	..	..	50	..	..	..	48	1	156	..	3296	3296	400	1011	684	70	30	..	..	..	..	..	..	..	..	..	M.O. G. E. Scholefield, £550 I. T. G. H. Hunter, £120 J. Ainsworth, £100
Whiston	..	..	..	..	181	..	..	..	33	158	135	..	2031	2031	326	1000	832	50	18	..	..	..	..	..	..	..	4	..	M.O. T. U. Mercer, £200 I. R. J. Knapman, £125 (temporary)
Wigan	..	..	..	..	78	1	..	..	42	3	45	..	600	916	81	172	91	..	..	..	..	..	..	..	..	..	..	..	M.O. G. H. Ormsby, £80 I. H. Elliott. £140
Total Rural Districts	..	75	2	..	2557	93	2	4	1101	357	1858	1	20129	24816	8930	8012	10311	8885	4208	17	..	9	11	..	6	..	42	..	
TOTAL ADMINISTRATIVE COUNTY	30	332	24	12	5805	1528	31	48	12589	2546	24008	12	50257	68613	50550	84921	196831	161840	90033	134	3	18	41	1	27	..	860	3	

In certain instances where figures for 1918 not supplied the 1917 figures have been used.

District.	Refuse Destructors provided.	Canal Boats. No. Inspected.	Canal Boats. No. of Infringements.	Public Abattoirs provided.	Dairies, Cowsheds, &c. No. of Cowkeepers.	Dairies, Cowsheds, &c. No. of Dairymen or Purveyors.	Dairies, Cowsheds, &c. Any arrangement for Veterinary Inspection of Cows.	Dairies, Cowsheds, &c. Samples of Milk examined for Tubercle.	Nuisances. Notices served. Informal.	Nuisances. Notices served. Statutory.	Nuisances. Nuisances abated.	Nuisances. Legal Proceedings and Result.	Closet Accommodation. Privy Middens. No. of Middens.	Closet Accommodation. Privy Middens. No. of Closets.	Closet Accommodation. No. of Pail Closets.	Closet Accommodation. No. of Ashpits (excluding middens).	Closet Accommodation. No. of Fresh Water Closets.	Closet Accommodation. No. of Portable Receptacles for refuse.	Closet Accommodation. No. of Waste Water Closets.	Closet Accommodation. Conversions during 1918. Privy Closets to Fresh W. C's.	Closet Accommodation. Conversions during 1918. Privy Closets to Waste W. C's.	Closet Accommodation. Conversions during 1918. Privy Closets to Pails, &c.	Closet Accommodation. Conversions during 1918. Pail Closets to Fresh W. C's.	Closet Accommodation. Conversions during 1918. Pail Closets to Waste W. C's.	Closet Accommodation. Conversions during 1918. Waste W. C's. to Fresh W. C's.	Closet Accommodation. Council's Contribution towards cost of Conversion.	Smoke Observations. Number.	Smoke Observations. Legal Proceedings and Result.	Medical Officer of Health and Sanitary Inspector, with Salaries. (a) Away on military duty. (b) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Local Government Board, as shown on the last claim for repayment.
Widnes (B.)	Yes	..	..	..	9	51	Yes	..	161	39	226	..	570	570	..	561	4426	5381	1496	20	..	..	..	..	4	Half-cost	4	..	M.O. A. Jones, £384 I. W. Lowe, £250
Withnell	..	..	..	..	26	6	..	..	24	1	37	..	42	52	571	350	150	209	50	..	..	..	..	..	..	..	..	..	M.O. S. W. Maclean, £25 I. A. Penney, £50
Worsley	..	46	6	..	23	2	..	..	96	96	102	..	2100	2100	6	1410	1344	876	50	..	..	..	..	..	..	..	24	..	M.O. R. Sayers, £80 I. J. Willcock, £160
Total Urban Districts	30	257	22	12	3248	1435	29	44	11488	2189	22150	11	30128	43797	41620	76909	186520	152955	85825	117	3	9	30	1	21	..	818	3	
RURAL.																													
Barton-upon-Irwell	..	..	..	..	23	31	..	..	49	..	50	..	500	530	200	50	1400	1000	12	2	..	..	..	..	..	..	14	..	M.O. D. W. Davidson, £80 I. R. G. Child, £150 8s.
Blackburn	..	..	..	..	142	..	..	..	176	2	176	..	65	65	1031	200	917	245	81	..	..	3	..	..	..	..	14	..	M.O. W. R. Pollard, £60 I. H. Eccleston, £150
Burnley	..	..	..	..	About 450	1	When required	..	67	..	160	..	..	Tanks 772	816	2400	603	1652	2580	..	..	..	..	..	..	..	..	..	M.O. H. J. Robinson, £150 I. R. J. Atkinson, £230
Bury	..	19	..	..	90	2	..	..	50	3	120	..	625	1294	185	261	510	222	101	3	..	..	..	..	..	..	10	..	M.O. J. W. Cook, £95 I. H. Hurst, £108
Chorley	..	..	..	..	129	..	..	..	87	6	..	..	3525	3525	328	50	445	480	35	..	..	..	..	..	..	Half-cost	..	..	M.O. J. A. Harris, £150 I. H. F. Froes, £224
Clitheroe (Lanc. portion)	..	..	..	..	61	32	..	..	30	..	30	..	773	773	243	Not known	392	243	311	..	..	..	..	..	6	..	..	..	M.O. J. M. Postlethwaite, £50 I. W. H. Jackson, £104
Fylde	..	..	..	..	274	10	..	4	52	2	87	1 Conviction	1500	1813	140	600	649	517	16	4	..	..	..	..	..	..	..	..	M.O. C. Court, £60 I. J. Jolly, £135
Garstang	..	24	..	..	48	2	..	..	35	2	35	..	482	482	875	564	351	487	..	1	..	2	..	..	..	..	..	..	M.O. R. H. W. Fisher, £85 I. J. Cook, £160
Lancaster	..	14	..	..	94	2	..	..	81	20	97	..	662	935	193	313	624	89	14	..	..	..	..	..	..	..	..	..	M.O. (a) W. Edmondson, £50 J. D. Buchanan (acting) I. J. Littlefair, £160
Leigh	..	14	..	..	117	1	..	..	124	33	241	..	900	1688	75	200	253	40	2	2	..	..	..	..	..	..	..	..	M.O. L. Tong, £80 I. J. Monks, £145
Limehurst	..	..	..	..	96	4	..	..	32	35	67	..	182	300	412	370	131	20	570	..	..	..	11	..	..	..	..	..	M.O. G. F. Bowman, £50 I. H. H. Turner, £110
Lunesdale	..	..	..	..	57	..	..	..	25	..	53	..	121	512	58	165	466	22	..	2	..	..	..	..	..	..	..	..	M.O. B. J. Acheson (b), £20 I. (a) E. Ellis, £85 F. W. Richardson (acting)
Preston	..	..	..	..	406	..	..	..	8	50	50	..	1756	1756	931	..	357	1713	425	..	..	..	..	..	..	..	..	..	M.O. (a) C. J. Trimble, £130 M. Phillips (acting) I. T. Ashcroft, £219
Sefton	..	..	..	..	62	..	..	..	42	8	50	..	483	646	875	256	350	487	..	..	..	..	..	..	..	..	..	..	M.O. J. C. Bradshaw, £125 I. F. Pool, £100
Ulverston	..	..	..	..	138	..	When required	..	34	15	44	..	2000	2854	..	..	825	670	..	3	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £261 I. T. Hudson, £160

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Skelmersdale	..	..	..	..	5	1	..	..	85	..	85	..	717	1143	21	216	219	..	..	3	..	..	..	..	..	Half-cost for privy to w.c. Whole-cost for pail to w.c.	..	..	M.O. V. O'Reilly, £45 I. E. Huntington, £60
Standish-with-Langtree	..	..	..	..	27	2	..	..	31	..	26	..	479	995	26	53	271	30	1	..	..	..	..	..	..	..	..	..	M.O. G. H. Ormsby, £55 I. A. Clough, £50
Stretford	Yes	..	..	..	8	140	..	3	264	17	778	..	1	1	181	1040	13558	7548	339	..	..	..	..	..	2	25s. to 40s.	..	..	M.O. W. J. Heslop, £150 I. E. Nuttall, £265
Swinton and Pendlebury	Yes	..	..	..	14	17	..	..	393	2	537	1 Conviction	769	1359	67	301	5230	4748	82	..	..	..	..	..	..	..	30	1—Order to abate	M.O. (a) W. Stewart-Stalker, £225 E. Higson (acting) I. A. Bleakley, £156
Thornton	..	..	..	..	50	30	..	..	17	3	20	..	78	78	290	184	798	860	21	..	..	..	..	..	..	..	..	..	M.O. F. S. Rhodes, £75 I. H. Fenton, £65
Tottington	..	..	..	..	56	..	..	..	..	9	100	..	602	1200	194	197	469	302	134	4	..	..	..	..	..	Half-cost	..	..	M.O. G. Bailey, £60 I. L. Kenyon, £100
Trawden	..	..	..	..	85	..	When required	..	3	3	6	..	14	18	318	335	109	52	228	..	..	..	..	..	..	..	..	..	M.O. G. Skeen, £20 I. J. H. Tatham, £52
Turton	..	..	..	..	158	..	..	..	88	3	86	..	420	828	72	888	766	145	1154	7	..	..	..	..	..	..	47	..	M.O. J. Robinson, £80 I. A. McMorrine, £175
Tyldesley-with-Shakerley	..	..	..	..	21	6	..	..	220	20	240	1—Summons withdrawn after nuisance abated	209	500	9	931	2068	670	582	1	..	..	..	..	..	Half-cost	..	..	M.O. B. Blakemore, £80 I. J. Smith, £202
Ulverston	..	..	..	..	19	..	When required	..	85	6	80	..	15	25	6	600	2197	1460	..	..	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £130 I. C. T. Hague, £120
Upholland	..	..	..	..	41	3	..	..	47	35	82	..	532	832	25	90	185	9	..	18	..	..	..	..	..	Connection to sewer	..	..	M.O. F. H. Browne, £70 I. A. Hunt (b)
Urmston	..	..	..	..	7	9	Yes	..	31	32	91	..	47	68	..	79	1954	1909	77	..	..	..	..	..	..	..	..	..	M.O. G. E. Fryer, £50 I. J. Heath, £115
Walton-le-Dale	..	..	..	..	44	..	..	..	7	..	7	..	400	400	1040	150	1000	1500	316	..	..	..	..	..	..	Half-cost	..	..	M.O. (a) C. J. Trimble, £50 M. Phillips (acting) I. (a) N. Baron, £100 J. Leigh (acting)
Wardle	..	..	..	..	51	..	..	..	32	9	40	..	120	205	247	90	322	145	108	..	..	..	..	..	..	..	..	..	M.O. G. MacGill, £40 I. J. D. Hurst, £90
Waterloo-with-Seaforth	..	..	..	..	19	17	Yes	28	552	244	1594	..	..	..	10	1200	10107	4787	..	..	..	..	..	..	..	..	10	..	M.O. V. J. Glover, £130 I. J. H. Cannell, £240
Westhoughton	..	..	..	..	70	..	..	..	26	..	154	..	2142	2142	2	294	836	345	117	..	..	..	..	..	..	Half-cost	..	..	M.O. W. H. Leigh, £60 I. F. J. A. Green, £173
Whitefield	..	..	..	..	9	13	Yes	7	45	1	163	..	403	664	69	212	720	435	164	..	..	..	1	..	..	..	9	..	M.O. A. J. Young, £60 I. E. Shaw, £167
Whitworth	..	..	..	..	22	37	..	..	35	..	214	..	..	..	1467	650	255	682	200	..	..	..	1	..	..	Contribution made: each case considered on its merits	..	..	M.O. T. J. L. Forbes, £60 I. J. J. Cordingley, £154

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Morecambe (B.)	Yes	..	..	..	17	61	Yes	..	75	8	367	1—Order to abate	190	200	..	4000	4318	Not known	30	9	..	..	..	..	..	..	..	..	M.O. J. W. Watterson (*b*) I. T. B. Lamb (*b*), £174 A. Lyon (*b*), £130
Mossley (B.)	..	..	..	..	19	..	..	..	66	..	62	..	3	3	2875	1055	272	358	152	..	..	..	..	..	..	Factories—Half-cost of connection to sewer	2	..	M.O. (*a*) J. Healey, £100 R. Eatough (acting) I. (*a*) R. H. Buckley (*b*)
Nelson (B.)	Yes	..	..	..	36	48	Yes	..	7	4	359	..	..	..	4	7335	2261	2514	8402	..	..	..	..	..	..	..	2	..	M.O. A. P. Millar, £100 I. J. T. Nutter, £225
Newton-in-Makerfield	..	..	..	Yes	15	10	..	..	134	2	424	..	297	449	2727	92	775	3236	30	1	..	..	1	..	..	Half-cost	..	..	M.O. H. E. Watkins, £120 I. H. Ashcroft, £200
Norden	..	..	..	..	62	..	..	..	6	1	7	..	50	102	689	186	172	241	12	..	..	1	..	..	..	..	21	..	M.O. W. H. Bateman, £40 I. J. W. Sunderland, £100
Ormskirk	Yes	..	..	..	6	..	..	..	4	21	23	..	256	517	50	140	899	555	14	1	..	..	..	..	..	..	10	..	M.O. G. E. Scholefield, £60 I. H. W. Chadwick, £90
Orrell	..	..	..	..	15	7	..	..	20	7	95	..	456	940	..	6	375	313	8	2	..	..	..	..	..	..	..	..	M.O. K. Fraser, £60 I. J. Farrimond, £60
Oswaldtwistle	..	..	..	Yes	70	2	..	..	137	49	347	..	197	328	392	1491	339	228	2451	..	3	..	..	..	..	..	..	..	M.O. A. E. Townley, £75 I. A. Ashworth, £140
Padiham	Yes	..	..	..	14	21	..	..	108	10	375	..	..	..	1427	27	481	2920	1562	..	..	..	..	..	..	..	56	..	M.O. N. R. Dharmavir, £85 I. R. Ratcliffe, £175
Poulton-le-Fylde	..	..	..	..	18	1	..	..	6	..	3	..	88	88	5	216	531	350	11	..	..	..	..	..	..	..	..	..	M.O. W. A. Riddell, £25 I. (*a*) J. B. Moss, £60 H. Fenton (acting)
Preesall	..	..	..	..	42	4	..	..	19	..	19	..	268	268	126	52	92	31	..	..	..	..	..	..	..	..	..	..	M.O. M. R. Gooding, £20 I. G. W. Proffitt, £58
Prescot	..	..	..	..	5	7	..	..	107	..	132	..	769	769	8	229	1152	923	4	..	..	..	..	..	..	Provide pedestal and fittings	..	..	M.O. (*a*) S. M. Green, £50 C. H. Wild (acting) I. R. Norris, £110
Prestwich	..	..	..	..	12	14	..	..	130	4	148	..	148	213	98	590	3795	2863	209	5	..	2	..	..	..	..	3	..	M.O. F. Stephenson, £110 I. W. Windsor, £178 10s.
Radcliffe	Yes	..	..	..	20	28	..	..	218	29	218	..	1049	1915	230	917	2547	1775	1676	4	..	..	..	..	2	..	37	..	M.O. (*a*) D. P. M. Farquharson £100 W. C. Mann (acting) I. W. Holt, £160
Rainford	..	..	..	..	22	2	..	..	20	4	20	..	700	750	8	8	46	14	..	..	..	..	..	..	..	..	..	..	M.O. F. Prosser, £30 I. B. Smith (*b*), £10
Ramsbottom	Yes	..	..	..	69	1	..	..	44	1	408	..	190	367	622	922	359	885	1466	1	..	..	..	..	..	..	11	..	M.O. H. Lawrie, £70 I. G. A. Shaw, £191
Rawtenstall (B.)	Yes	..	..	..	251	1	..	..	220	4	226	..	50	50	555	689	2145	4950	3859	..	..	1	..	1	6	Half-cost	..	..	M.O. J. E. Helm, £160 I. W. E. Hoyle, £183
Rishton	..	..	..	..	30	1	When required	..	14	..	14	..	34	26	24	1656	235	92	1592	..	..	..	..	..	..	..	3	..	M.O. J. Barr, £50 I. (*a*) J. Cornall, £80 W. Knowles (acting)
Royton	Yes	..	..	..	25	4	Yes.	..	93	27	231	..	2	2	2605	611	683	1935	946	1	..	..	3	..	..	Half-cost up to 50s.	3	..	M.O. R. Young, £100 I. J. Butterfield, £176 16s.
St. Annes-on-the-Sea	Yes	..	..	Yes	19	6	Yes	6	175	4	202	..	..	19	43	..	4588	2397	21	..	..	..	..	..	..	..	..	..	M.O. J. Tennant, £100 I. W. E. Procter, £210

(*a*) Away on military duty.
(*b*) No claim for repayment of salary.

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Horwich	..	..	..	..	34	19	..	..	39	14	165	..	59	60	96	1360	2563	1160	1257	..	..	1	..	..	..	Privies—Half-cost Pails—Whole cost	15	..	M.O. J. S. Sewell, £100 I. J. H. Brocklehurst, £200
Hurst	..	..	..	..	5	6	When required	..	13	..	13	..	29	46		628	322	371	1770	..	..	..	..	..	..	£2 per closet	72	..	M.O. (a) R. Price, £40 G. F. Bowman (acting) I. S. Shirt, £120
Huyton-with-Roby	..	..	..	..	9	..	..	..	24	2	26	..	346	520	76	200	300	100	..	..	..	..	..	..	..	..	..	..	M.O. A. W. McDonald, £40 I. J. Worrall, £120
Ince-in-Makerfield	..	25	2	..	8	4	..	..	800	12	866	..	1026	2084	54	56	1394	973	1	6	..	..	..	..	..	..	..	..	M.O. J. H. Fletcher, £115 12s. I. W. Thorpe, £175 12s.
Irlam	..	..	..	..	6	9	..	..	76	4	11	..	781	836	90	467	1157	851	52	..	..	..	..	..	..	..	..	..	M.O. J. W. Roberts, £75 I. R. H. Winterbottom, £100
Kearsley	..	..	..	..	5	..	..	..	36	64	172	..	723	1404	39	184	500	253	156	..	..	..	..	..	..	Half-cost	..	..	M.O. J. C. Eames, £80 I. G. Walsh, £120
Kirkham	..	..	..	..	9	..	..	..	39	..	46	..	228	375	17	44	539	320	28	1	..	..	..	..	..	..	17	..	M.O. C. Court, £45 I. J. R. Holmes, £130
Lancaster (B.)	Yes	13	2	Yes	26	81	Yes	..	494	331	720	..	24	24	68	4773	12125	2322	..	..	..	..	..	..	..	..	..	..	M.O. J. D. Buchanan, £380 (Including £20 for Port) I. F. W. Smith, £200 (Including £20 for Port)
Lathom and Burscough	..	..	..	..	8	..	..	..	10	..	30	..	800	1200	A few	200	300	90	10	11	..	..	..	..	..	..	..	..	M.O. J. G. Laing, £50 I. T. Burrows, £100
Lees	..	..	..	..	3	..	..	..	9	..	7	..	1	..	841	681	259	562	62	..	..	..	..	..	..	..	..	..	M.O. J. Currie, £45 I. J. W. Liversage (b)
Leigh (B.)	Yes	48	6	..	60	8	Yes	..	292	9	166	..	210	421	5	3870	7802	1150	853	..	..	..	..	..	..	One-third cost	37	..	M.O. J. C. Beckitt, £100 I. E. Jackson, £255
Leyland	..	..	..	..	19	..	..	..	34	..	25	..	830	830	490	350	766	800	25	..	..	..	2	..	..	..	..	..	M.O. E. Berry, £60 I. G. Crozier, £60
Litherland	..	..	..	..	9	7	When required	..	256	..	215	..	3	3	10	924	3356	1439	..	..	..	..	..	..	..	..	..	..	M.O. T. D. Williams, £70 I. W. H. Elce, £100
Littleborough	..	23	..	..	77	1	..	..	74	1	148	..	A few	A few	1625	1782	407	78	396	..	..	..	1	..	..	..	10	..	M.O. (a) J. T. R. MacGill, £60 D. G. MacGill (acting) I. (a) H. C. Williamson, £120 G. F. Wild (acting)
Little Crosby	..	..	..	..	2	3	..	..	3	..	3	..	55	55	5	6	245	90	..	..	..	..	..	..	..	..	..	..	M.O. E. Buxton, £30 I. T. Massam (b), £10
Little Hulton	..	..	..	..	15	..	..	..	..	10	107	..	595	1148	..	178	404	172	103	..	..	..	..	..	..	..	3	..	M.O. J. H. Marsh, £60 I. J. T. Davies, £130
Little Lever	..	22	3	..	9	9	..	..	43	..	40	..	366	728	21	54	233	136	114	6	..	..	..	..	..	Half-cost	3	..	M.O. J. S. Pickford, £30 I. J. Seddon, £120
Longridge	..	..	..	..	9	..	..	..	30	..	30	..	14	14	29	2	488	723	400	..	..	..	..	..	..	..	..	..	M.O. G. Jukes, £50 I. J. Marshall, £60
Lytham	Yes	..	..	Yes	18	14	When required	..	75	1	160	..	..	..	10	57	2257	2200	6	..	..	..	..	..	..	..	..	..	M.O. (a) J. C. Fisher, £100 G. Barlow (acting) I. H. Yates, £130
Middleton (B.)	Yes	31	1	..	50	10	..	..	123	11	286	..	1	1	426	1731	2224	2027	3635	..	..	..	..	..	..	Half-cost	6	..	M.O. F. J. Wheeldon, £150 I. C. H. Norton, £170
Milnrow	..	..	..	..	74	..	..	..	70	..	241	..	91	100	1283	202	240	739	78	..	..	1	..	..	..	..	..	..	M.O. J. Chadwick, £40 I. T. Warrington, £120

District.	Refuse Destructors provided.	Canal Boats. No. Inspected.	Canal Boats. No. of Infringements.	Public Abattoirs provided.	Dairies, Cowsheds, &c. No. of Cowkeepers.	Dairies, Cowsheds, &c. No. of Dairymen or Purveyors.	Dairies, Cowsheds, &c. Any arrangement for Veterinary Inspection of Cows.	Dairies, Cowsheds, &c. Samples of Milk examined for Tubercle.	Nuisances. Notices served. Informal.	Nuisances. Notices served. Statutory.	Nuisances. Nuisances abated.	Nuisances. Legal Proceedings and Result.	Closet Accommodation. Privy Middens. No. of Middens.	Closet Accommodation. Privy Middens. No. of Closets.	Closet Accommodation. No. of Pail Closets.	Closet Accommodation. No. of Ashpits (excluding middens).	Closet Accommodation. No. of Fresh Water Closets.	Closet Accommodation. No. of Portable Receptacles for refuse.	Closet Accommodation. No. of Waste Water Closets.	Closet Accommodation. Conversions during 1918. Privy Closets to Fresh W. C's.	Closet Accommodation. Conversions during 1918. Privy Closets to Waste W. C's.	Closet Accommodation. Conversions during 1918. Privy Closets to Pails, &c.	Closet Accommodation. Conversions during 1918. Pail Closets to Fresh W. C's.	Closet Accommodation. Conversions during 1918. Pail Closets to Waste W. C's.	Closet Accommodation. Conversions during 1918. Waste W. C's. to Fresh W. C's.	Closet Accommodation. Council's Contribution towards cost of Conversion.	Smoke Observations. Number.	Smoke Observations. Legal Proceedings and Result.	Medical Officer of Health and Sanitary Inspector, with Salaries. (a) Away on military duty. (b) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Local Government Board, as shewn on the last claim for repayment.
Crompton	Yes	..	..	..	31	34	..	..	60	8	61	..	..	..	2590	137	654	2790	272	..	..	..	..	..	..	..	..	..	M.O. M. Hutton, £100 I. Vacant
Croston	..	..	..	..	23	..	..	..	..	..	..	..	292	292	134	134	30	30	2	..	..	..	..	..	..	..	..	..	M.O. A. Duckworth, £20 I. T. W. Noblett, £40
Dalton-in-Furness	..	..	..	..	59	..	When required	..	137	5	142	..	374	463	15	878	2054	873	51	3	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £145 I. W. E. Caine, £160
Darwen (B.)	Yes	..	..	Yes	100	107	When required	..	515	117	538	4—Fines and costs imposed	..	..	1765	13	6378	10450	2478	..	..	..	7	..	..	Half-cost of pail conversion	137	..	M.O. F. G. Haworth, £296 16s. I. W. E. Marsden, £206 16s. C. R. Walsh, £196 16s.
Denton	..	..	..	..	24	34	..	..	101	..	75	..	185	340	29	343	3985	3473	668	..	..	..	..	..	..	..	..	..	M.O. W. Stewart, £80 I. A. C. Brocklehurst, £184
Droylsden	Yes	..	..	..	14	45	When required	..	43	17	60	..	250	421	18	106	3286	2504	39	..	..	..	7	..	..	..	..	..	M.O. F. G. P. Ilderton, £72 I. F. Schofield, £151
Eccles (B.)	Yes	..	..	..	9	94	..	..	No record	279	2839	2—Fines imposed	11	14	17	24	12000	10268	197	..	..	..	..	..	2	25s. per closet	1	..	M.O. W. M. Hamilton, £250 I. C. W. Laskey, £320
Failsworth	..	..	..	..	11	12	..	..	136	27	382	..	73	132	1086	243	3018	3142	191	..	..	..	1	..	..	Pails—Whole cost Privies—Half-cost	..	..	M.O. F. A. Field, £100 I. R. Rutter, £150
Farnworth	Yes	..	..	..	17	5	..	..	18	2	199	..	1482	2746	71	1254	3678	1020	604	4	..	..	..	..	..	30s. per closet	22	..	M.O. A. Kershaw, £100 I. J. Marshall, £192
Fleetwood	Yes	..	..	Yes	10	35	..	..	220	7	200	..	..	..	36	88	3250	3220	32	..	..	..	..	..	..	..	..	..	M.O. D. M. Gill, £100 (Including £25 for Port) I. T. R. Bailey, £130
Formby	..	..	..	..	20	..	..	..	119	7	147	..	196	196	334	430	508	498	..	..	..	..	..	..	..	..	..	..	M.O. F. Carter, £50 I. T. Grime, £96 5s.
Fulwood	..	..	..	..	50	2	..	..	..	..	..	..	23	23	22	35	1926	734	7	2	..	..	..	..	..	..	..	..	M.O. J. Garth, £50 I. A. E. Coupe, £45
Golborne	..	..	..	..	15	5	..	..	82	4	75	..	429	1038	8	80	353	121	26	..	..	..	..	..	..	..	12	..	M.O. J. Dobb, £45 I. W. Pasquill, £80 16s.
Grange-over-Sands	..	..	..	..	5	7	When required	..	10	1	10	..	18	18	3	300	510	180	..	..	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £44 I. T. Huddlestone, £100
Great Crosby	..	..	..	..	18	1	When required	..	84	15	99	..	21	..	5	..	5032	3115	..	..	..	..	..	..	..	..	..	..	M.O. J. Huskie, £100 I. S. Wilson, £150
Great Harwood	..	..	..	Yes	27	1	..	..	12	..	246	..	..	..	36	2400	412	800	2663	..	..	..	..	..	..	Half-cost	..	..	M.O. J. Patchett, £90 I. A. Eddleston, £165
Haslingden (B.)	Yes	..	..	..	75	58	..	..	107	..	93	..	20	24	1100	1091	403	2496	2406	..	..	..	..	..	..	£2 per closet	..	..	M.O. J. Broomhead, £75 I. R. Austin, £160
Haydock	..	..	..	..	13	5	..	..	110	..	116	..	1405	1600	4	..	304	304	1	..	..	..	..	..	..	..	..	..	M.O. A. Dowling, £70 I. J. Evans, £80
Heysham	..	..	..	..	18	..	..	..	11	..	11	..	53	53	4	..	881	600	22	..	..	..	..	..	..	..	..	..	M.O. R. Herd, £30 I. H. Millar, £100
Heywood (B.)	Yes	11	..	..	36	5	Yes	..	204	27	405	..	729	1392	365	1046	1518	2275	2939	..	..	..	..	..	..	..	159	1—Order to abate and pay costs. 1—Fined 40s., including costs	M.O. H. H. I. Hitchon, £100 I. T. Robinson, £205
Hindley	..	..	..	..	27	3	When required	..	548	121	531	..	1009	1500	1008	50	1538	1500	19	1	..	..	2	..	..	Connection to drains	..	..	M.O. J. Chronnell, £125 I. T. France, £170

TABLE G.—SUMMARY OF SANITARY WORK CARRIED OUT DURING 1918.

District.	Refuse Destructors provided.	Canal Boats.		Public Abattoirs provided.	Dairies, Cowsheds, &c.				Nuisances.				Closet Accommodation.														Smoke Observations.		Medical Officer of Health and Sanitary Inspector, with Salaries.
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Samples of Milk examined for Tubercle.	Notices served. Informal.	Notices served. Statutory.	Nuisances abated.	Legal Proceedings and Result.	Privy Middens. No. of Middens.	Privy Middens. No. of Closets.	No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1918. Privy Closets to Fresh W. C's.	Conversions during 1918. Privy Closets to Waste W. C's.	Conversions during 1918. Privy Closets to Pails, &c.	Conversions during 1918. Pail Closets to Fresh W. C's.	Conversions during 1918. Pail Closets to Waste W. C's.	Conversions during 1918. Waste W. C's. to Fresh W. C's.	Council's Contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.	(a) Away on military duty. (b) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Local Government Board, as shown on the last claim for repayment.
Abram	..	28	2	..	17	..	..	..	50	25	220	..	530	825	24	157	462	52	..	1	..	..	..	..	..	Half-cost	..	..	M.O. A. O. Bentham, £50 I. W. W. Roby, £90
Accrington (B.)	Yes	..	..	Yes	45	14	Yes	..	74	116	180	..	28	28	977	5000	1270	1668	9246	..	..	..	..	..	..	Half-cost	..	..	M.O. A. Greenhalgh, £100 I. R. Diggle, £210
Adlington	..	..	..	..	14	..	..	..	30	..	30	..	473	473	5	..	437	374	30	2	..	..	..	..	..	..	..	..	M.O. W. C. Rigby, £49 I. R. Edge, £60
Ashton-in-Makerfield	..	..	..	..	44	4	When required	..	84	28	370	2—Orders made. Costs & Advocates' Fees	3	3	3752	2952	496	132	25	..	..	..	..	..	..	..	..	..	M.O. H. Winstanley, £125 I. D. Gamble, £160
Ashton-underLyne (B.)	*Yes	..	..	..	3	97	Yes	..	511	63	1073	..	..	..	12	360	3108	6046	8021	..	..	..	..	..	..	£4 per closet	..	..	M.O. J. W. Talent, £300 I. W. C. Morris (b), £260
Aspull	..	..	..	..	19	..	..	..	110	40	150	..	687	687	6	293	476	342	1	3	..	..	..	..	..	Connection to sewer	..	..	M.O. L. Cooke, £55 I. H. Gibson, £74
Atherton	Yes	..	..	..	21	32	..	..	33	49	338	..	55	84	5	1134	2290	1405	1415	..	..	..	..	..	..	Connection to sewer and supplies water	..	..	M.O. J. Marsh, £100 I. K. Jepson, £184
Audenshaw	..	..	..	..	11	8	..	..	181	..	181	..	15	23	52	213	642	1363	1411	..	..	..	..	..	..	Main drain laid	24	..	M.O. D. H. Cheetham (b), £40 I. (a) H. M. Doxey, £70 W. Clough (acting)
Bacup (B.)	..	..	..	..	118	63	When required	..	299	28	274	..	12	12	2168	163	1216	2889	448	..	..	3	1	..	..	£2 per closet	..	..	M.O. J. P. Brown, £155 I. A. E. Barnes, £165
Barrowford	†	..	..	..	35	..	..	..	6	..	30	..	31	31	20	777	174	297	831	..	..	..	..	..	..	..	..	..	M.O. F. de B. Pim, £40 I. F. Sutcliffe, £70
Billinge	..	..	..	..	39	..	..	..	15	21	27	..	406	602	10	63	53	..	..	..	..	..	..	..	..	..	..	..	M.O. R. O. Mather, £40 I. R. Powell, £40
§Bispham-with-Norbreck	‡	..	..	..	18	2	..	..	..	..	..	..	16	6	8	30	840	840	..	..	..	..	..	..	..	..	..	..	M.O. J. Johnson, £40 I. (a) T. Harrop, £55
Blackrod	..	..	..	..	33	..	..	..	18	..	18	..	373	373	23	264	363	344	..	..	..	..	..	..	..	..	6	..	M.O. J. W. Unsworth, £45 I. J. R. Orrell, £32
Brierfield	..	6	..	..	9	1	..	..	60	..	60	..	30	41	50	1580	413	440	1693	..	..	..	..	..	..	..	..	..	M.O. J. S. Wilson, £50 I. B. Halstead, £100
Carnforth	..	..	..	..	14	1	..	..	..	..	..	..	235	235	3	532	476	..	53	..	..	..	..	..	..	..	..	..	M.O. E. S. Jackson, £20 I. W. Guest, £30
Chadderton	*Yes	..	..	..	51	27	Yes	..	344	9	330	..	..	..	1952	Not known	1525	Not known	3123	..	..	..	..	..	..	Half-cost	..	..	M.O. J. Wood, £312 10s. I. A. Ashworth, £190
Chorley (B.)	Yes	..	..	Yes	31	2	..	..	452	6	458	..	59	68	21	2	7070	6882	989	..	..	..	1	..	..	16s. and connection to sewer	2	..	M.O. J. A. Harris, £120 I. W. Heaps, £205 C. S. Handforth (b), £150
Church	..	4	..	..	5	..	..	..	132	..	125	..	9	9	154	791	261	280	1498	..	..	..	..	..	..	Pedestal, seat, and cistern provided	8	..	M.O. J. Craig, £40 I. F. Howarth, £88
Clayton-le-Moors	..	..	..	..	9	..	..	..	57	1	99	..	..	..	21	1732	88	333	1900	..	..	..	..	..	..	..	11	..	M.O. L. Tattersall, £40 I. J. P. Dixon, £80
Clitheroe (B.)	..	..	..	Yes	30	..	..	..	81	6	90	..	5	8	1020	15	902	2900	1532	..	..	..	2	..	5	..	..	..	M.O. W. E. Barker, £60 I. J. Bolton, £160
Colne (B.)	Yes	..	..	Yes	94	8	Occasionally	..	49	6	43	..	2	2	387	4397	1310	946	4482	..	..	..	..	..	..	Half-cost	1	..	M.O. W. Doyle, £100 I. H. C. Sugden, £203

* Closed at present. † Destructor at Nelson (B) used for slaughter-house refuse. ‡ Pulverising apparatus provided. § This District incorporated in the County Borough of Blackpool 1st April, 1918.

in the County area, and the following statement gives approximately the number of each type in existence :—

Privy middens	50,257
,, closets	68,613
Pail closets	50,550
Fresh-water closets	196,831
Waste-water closets	90,033
Ashpits (excluding middens)	84,921
Portable receptacles	161,840

Depletion of sanitary staffs, shortage of labour and excessive cost of building materials have contributed towards the further reduction in the number of conversions of privy and pail closets to the water-carriage system. The statement below compares the work done in 1918 with the preceding four years :—

	1918.	1917.	1916.	1915.	1914.
Privies converted to water closets ...	137	324	800	2856	6106
Privies converted to pail closets	18	76	86	219	217
Pail closets converted to water closets ...	42	148	272	759	3098

Table G, here inserted, shows the position as regards closet accommodation of each sanitary district.

Canal Boats.—The number of canal boat inspections reported is 332 in 16 districts. Twenty-four infringements of the Acts were noted.

Slaughter-houses.—Public Abattoirs.—Private slaughter-houses have not been used in many areas to the same extent as usual, owing to the Government requirement that cattle should be killed, as far as practicable, in a central slaughter-house. By this centralisation the inspection of meat was greatly facilitated, and several Medical Officers of Health express the hope that such centralised slaughtering will continue.

Public abattoirs have been provided in 12 districts, viz., the Boroughs of Accrington, Chorley, Clitheroe, Colne, Darwen, and Lancaster, and the urban districts of Fleetwood, Great Harwood, Lytham, Newton-in-Makerfield, Oswaldtwistle and St. Annes-on-the-Sea. Provision of a public abattoir is recommended by the Medical Officers of Health of Haslingden (B.) Heywood (B.), Horwich, Morecambe (B.), Rawtenstall (B.), and Withnell.

Food Inspection.—The following summary shows approximately the amount of unsound or diseased food seized and destroyed in the County area during the year 1918 :—

12 carcases of cows, 119 sheep, 19 pigs, 3 calves, 678 rabbits, 30 pigeons.

Carcases, or parts of carcases, condemned on account of tuberculosis 190.

Beef 51,050 lbs., mutton 1,863 lbs., pork 800 lbs., fish 5,885 lbs. and 83 boxes, fruit and vegetables 15,915 lbs., miscellaneous foods 19,762 lbs., &c.

Legal proceedings were instituted in eleven instances.

A very large amount of time and attention has been given by the sanitary officers of local authorities to the rationing of food, and the administration of Food Control Orders.

Food poisoning outbreaks have been reported from three areas.

Eccles (B.).—In the latter part of the year there was an outbreak of food poisoning, due to self-raising flour. This involved some 70 people. By some unexplained mistake, tartar emetic was substituted for cream of tartar. Fortunately, owing to the emetic properties of the salt, the only symptoms were vomiting and diarrhœa. The sale of this flour—which was the product of one firm—was at once stopped. No death ensued.

Swinton and Pendlebury.—On November 29th, between 30 and 40 women employed at a certain works were found to be suffering from vomiting, diarrhœa, and abdominal pains. All the affected persons had partaken of pastry obtained at the work's canteen. On the following day a similar occurrence was reported concerning the employees at another works. These persons had bought meat pies at a confectioner's shop. The pastry at both places was found to have been made from the same brand of "self-raising flour" as in the Eccles outbreak. Samples of the flour were sent to Professor Delépine for analysis, and the irritant was found to be antimony. Previous samples of this flour had been found to contain arsenic in large quantities.

Simultaneously with the outbreaks at Eccles and Swinton and Pendlebury, similar epidemics occurred in Manchester and Salford. The millers undertook to collect all the poisonous flour.

Fylde (R.).—An outbreak of bacterial food poisoning caused by shrimps occurred in September, affecting 103 inhabitants of Freckleton and Warton, of whom two died. The verdict of the Coroner's jury in both cases was "death from ptomaine poisoning from eating shrimps." The shrimps had been purchased from a hawker, and samples were sent to Prof. Delépine for analysis, who reported as follows: "The samples were all putrid, and had an offensive smell. . . . . There is no conclusive evidence to show that the illness was caused by any particular bacillus, but the condition of the shrimps would probably be sufficient to account for severe gastro-intestinal symptoms."

Dairies, Cowsheds, and Milkshops.—Table G. inserted at page lxiii., gives particulars regarding the number of cowkeepers, dairymen, and purveyors of milk in each sanitary district. The approximate totals for the whole Administrative area are:—

Number of cowkeepers	5,805
Number of dairymen or purveyors of milk	1,528

Regulations under the Dairies, Cowsheds, and Milkshops Order, 1885, have been adopted in every County district except Little Crosby, where there are only two cowkeepers.

In 31 districts, arrangements exist for the examination of cattle by veterinary surgeons

Bacteriological Examination of Milk.—From five districts 48 samples of milk were submitted for bacteriological examination ; in 6 instances tubercle bacilli were found to be present.

Smoke Observations.—There was a further decline in the number of smoke observations, viz., 860 in 1918, as compared with 1,264, 1,711, 1,965, and 2,857 in the four preceding years. Table G, page lxiii., shows the number of observations taken in each district.

Scavenging and Refuse Removal.—The method of scavenging adopted in each district was shown in the County Report for 1914 Since then, owing to the war, very few developments have taken place. Depletion of the sanitary staffs and the difficulties incidental thereto, resulted, in some districts, in delay in the collection of house refuse.

Refuse destructors have been provided in 30 districts, which are shown in Table G. In the following districts the local Medical Officer of Health, in his annual report, refers to the desirability of the provision of a refuse destructor : Ashton-in-Makerfield, Denton, Great Crosby, Great Harwood, Norden, Orrell, Rishton, Tyldesley-with-Shakerley, and Worsley.

House Drainage, Sewerage, and Sewage Disposal.—Owing to the war, very few fresh schemes of sewerage and sewage disposal have been carried out, but improvements have been effected in certain areas.

The following areas or townships are reported by district Medical Officers of Health as being without proper drainage systems :—

Urban Districts.	Area Without Proper Drainage System.
Accrington (B.) ...	Higher Baxenden.
Audenshaw ...	Hanover Street South and Stelfox Lane.
Brierfield	Marsden Heights.
Chadderton ...	About 600 acres in outlying districts.
Chorley (B.) ...	Outlying farms—"not possible to connect."
Clitheroe (B.) ...	Outlying agricultural land beyond reach of present sewerage system.
Croston	Drinkhouse Lane and Grape Lane (drainage scheme postponed owing to the war).
Dalton-in-Furness	Only outlying dwellings.
Eccles (B.)	Eight houses at Westwoods and three at Barton Moss end of Borough.
Formby	Freshfield and a part of the Formby area.
Haydock	Two small areas containing 25 and 43 houses respectively.
Hindley	Platt Bridge.
Horwich	Factory Hill, Foxholes, Hart's Houses, &c.
Litherland	Approximately 50 per cent. of agricultural land.
Little Hulton ...	Twenty or more houses in different parts of the district.
Little Lever ...	Dove Bank and Leadbeater Fold.
Middleton (B.) ...	Birch End and Bowlee.
Milnrow	Burnedge.
Newton-in-Makerfield	Parts of agricultural areas.
Norden	Lane Head and Red Lumb.
Orrell	A few houses in Brook Lane and Oxhouse Road.
Oswaldtwistle ...	Knuzden and Cross Edge.
Poulton-le-Fylde ...	Little Poulton.

Urban Districts.	Area Without Proper Drainage System.
Prestwich	Outlying village of Simister Lane.
Radcliffe	About 93 houses in Starling district.
Royton	Booth Hill Lane, Oldham Edge, Thorp and Thorp Clough.
Skelmersdale ...	Small portion of district which new sewerage scheme will include.
Standish-with-Langtree	Only scattered houses.
Swinton and Pendlebury	40 houses at Langley Road, Pendlebury.
Thornton	Part of East Ward.
Tottington	Greenmount and Hawkshaw Wards.
Tyldesley-with-Shakerley ...	Thirty houses at Parr Brow.
Upholland	Roby Mill.
Urmston	Several isolated farms.
Whitefield	Park Lane.
Widnes (B.) ...	North of Borough.
Withnell	Ollerton Terrace.
Rural Districts.	
Barton-upon-Irwell	Portions of Davyhulme, Flixton, and Clifton.
Burnley	Higham and Old Laund Booth.
Bury	Rural parts of all townships.
Chorley	Several townships.
Clitheroe	Hurst Green, Chipping, Pendleton, and Downham.
Fylde	Treales, Wharles, and part of Warton.
Garstang	All townships except six.
Lancaster	Overton, Silverdale, Priest Hutton, Yealand Conyers, and Yealand Redmayne.
Leigh	Lowton and Culcheth not satisfactory.
Limehurst	Alt, Hartshead, Little Moss, Woodhouses.
Lunesdale	Over Kellett (proposed scheme suspended owing to war).

Rural Districts.	Area Without Proper Drainage System.
Preston ...	... Longton, Hoole, Goosnargh, Whittingham, Woodplumpton, and Dutton.
West Lancashire	... All except Aughton and parts of Bickerstaffe and Tarleton.
Whiston ...	... Cronton, Tarbock, Knowsley, Speke, and parts of other townships.
Wigan ...	... Parbold, Appley Bridge, and Wrightington district. (Drainage scheme deferred owing to the war.)

Water Supplies.—No works of any magnitude are reported to have been carried out during the year under report. Deficiencies or unsatisfactory supplies exist in a number of districts, for instance, the Medical Officer of Health for Garstang (R.) reports the supply bad in three townships and in parts of 9 other townships; Lancaster (R.), some supplies "bad"; Warrington (R.), insufficient in Cuerdley and Rixton. At Wigan (R.) reference is made to the plumbo-solvent action of the water; this matter is receiving the attention of the County Public Health Department.

Shops Acts, 1912 and 1913.—The Order of H.M. Secretary of State under the Defence of the Realm (Consolidation) Regulations, which fixed the hours of closing of shops, continued in force during the year, and, consequently, little action under the Shops Acts was necessary. Three applications in connection with Closing Orders were dealt with by the County Inspector (Mr. J. E. Gee, of the County Public Health Department). No new Orders were made.

Midwives Acts, 1902 and 1918.—The tabular statement below indicates the position of the Administrative County on the 31st December, 1918, as regards the number and qualifications of the certified midwives on the County Register, and the number who notified their intention to practise in 1918.

During the year the names of 60 midwives who had not practised for two years or over were deleted from the register; and 28 other names were removed for the following reasons,

viz. :—deaths 3, left County area or ceased to practise 17, appointed as health visitor 1, struck off the roll for negligence or misconduct (at instance of a County Borough Council) 1, and 6 women surrendered their certificates—2 after charges of negligence had been preferred against them, 2 owing to inability to comply with the Rules, and 2 on account of old age and ill-health. Fifty-three new midwives came on to the County Register during the year.

These changes left 669 certified midwives on the Register at the end of the year. with qualifications as under :—

Obstetrical Society of London	34
Coombe Lying-in Hospital and Guinness' Dispensary, Dublin	2
Rotunda Hospital, Dublin	1
Liverpool Ladies' Charity and Lying-in Hospital	21
St. Mary's Hospitals, Manchester	27
Cork Lying-in Hospital, Cork	1
Certificate (by examination) of Central Midwives Board	272
In *bonâ-fide* practice, July, 1901	311
Total	669

Of these, 655 were practising, while 14 had temporarily ceased to act.

In the year 1905 there were 876 of the *bonâ-fide* type of midwife on the County Register, 83 per cent. of the total, but these have now been reduced to 311, or 46 per cent.

It is interesting to note that the number of certified midwives on the Official Roll of the Central Midwives Board, with addresses in the area of this Administrative County, is 1,876.

Records from Midwives.—The table below shows the number of records of sending for medical help received during

1918, the number of still-births reported, and the number of deaths of mother or child before the attendance of a medical practitioner :—

MEDICAL HELP RECORDS :—

(1) In all cases in which a woman during pregnancy, labour, or lying-in, appears to be dying or is dead ... ... —

(2) Pregnancy—

Deformity or stunted growth	18
Loss of blood	16
Abortion or threatened abortion	72
Excessive sickness	5
Puffiness of hands or face	7
Fits or convulsions	4
Dangerous varicose veins	5
Purulent discharge	5
Sores of the genitals	—
Other abnormalities or complications ...	12

(3) Labour—

Fits or convulsions	12
A purulent discharge	—
Sores of the genitals	1
A malpresentation ... ... / Presentation other than the uncomplicated head or breech	142
Where no presentation can be made out...	5
Where there is excessive bleeding ...	41
Where two hours after the birth of the child the placenta and membranes have not been completely expelled	54
In cases of serious rupture of the perinæum or of other injuries of the soft parts ...	383
Other complications, including obstructed labour, uterine inertia, or requiring instrumental assistance	591

(4) Lying-in—

Fits and convulsions	1
Abdominal swelling and tenderness ...	—
Offensive lochia, if persistent	—
Rigor with raised temperature	3
Rise of temperature above 100·4°F. with quickening of the pulse for more than 24 hours	85
Unusual swelling of the breasts with local tenderness or pain	1
Secondary post-partum hæmorrhage ...	—
White leg	2
Unsatisfactory progress or complications...	75

(5) The Child—

Injuries received during birth	1
Any malformation or deformity endangering the child's life	40
Dangerous feebleness	206
Inflammation of, or discharge from, the eyes, however slight	203
Serious skin eruptions, especially those marked by the formation of watery blisters	14
Inflammation about, or hæmorrhage from, the navel	—
Complications	74
Total	2078

STILL-BIRTHS :—

Males	163
Females	142
Total	305

DEATHS OF MOTHER OR CHILD BEFORE ATTENDANCE OF A MEDICAL PRACTITIONER :—

Mother	4
Child	41
Total	45

The following table compares the number of Records, &c., received from certified midwives during the year 1918, with preceding years :—

		1918.		1917.		1916.		1915.		1914.
Records of sending for medical help			2078		2271		2502		2391	2612
Still-births ...	Male	163	305	201	361	229	397	225	392	293 498
	Female	142		160		168		167		205
Deaths of Mother or Child before the attendance of a medical practitioner	Mother ...	4	45	5	42	4	48	10	35	7 59
	Child ...	41		37		44		25		52

PUERPERAL FEVER.—The number of cases of "puerperal fever" reported during 1918, in connection with the administration of the Midwives Act, was 49, a total more favourable than in any preceding year.

The table below contrasts 1918 with the preceding four years :—

	Cases.	Deaths.	Case Mortality	Attack Rate per 1,000 births.
1918.....	49	*22	44·0	1·80
1917.....	59	17	28·8	2·07
1916.....	94	†26	27·3	2·87
1915.....	93	31	33·3	2·68
1914.....	145	†53	36·3	3·76

* Includes death of a case not notified.
† Includes death of a case notified in previous year.

The above mortality totals do not coincide with the total deaths classified by the Registrar-General under the term "puerperal fever," which in 1918 aggregated 44. This apparent discrepancy is due to the fact that the Registrar-General in his statistics assigns to the term "puerperal fever" certain forms of disease of the puerperal state, which are not usually reported by medical practitioners under the Notification Act.

In the following statement, the notified cases of puerperal fever are classified, distinguishing those in which midwives were concerned :—

	1918.			1917.		
	Cases.	Deaths.	Mortality rate per cent.	Cases.	Deaths.	Mortality rate per cent.
Cases attended at childbirth solely by certified midwives	22	9	40·9	26	6	23·0
Cases in which midwives acted as nurses under the supervision of medical practitioners	13	6	46·1	18	7	38·8
Cases in which certified midwives were not in attendance	14	*7	46·6	15	4	26·6

* Includes death of a case not notified.

The cases which occurred in the practice of midwives were carefully investigated. In addition, enquiries were made into 88 cases of rise of temperature or rigor.

Charges of Negligence, Misconduct, &c.—Thirty-one charges of negligence or misconduct were preferred against midwives during the year. The action taken is shown in the table on the following page. In addition, a number of minor breaches of the Rules came under notice and were suitably dealt with.

	Total No. of charges.	Result of action taken.			
		Struck off the Roll.	Surrendered Certificate and name removed from Roll.	Severely censured.	Cautioned.
Puerperal fever cases ...	9	...	*2	...	7
Ophthalmia neonatorum cases...	15	...	...	...	15
Other offences	7	...	2	...	5

* Two charges against same Midwife.

Ophthalmia Neonatorum.—By notifications under the Public Health (Ophthalmia Neonatorum) Regulations, and by medical help records forwarded by midwives, 317 cases of ophthalmia neonatorum came under notice, against 361 cases in the previous year. All cases occurring in the practice of midwives were investigated. In 15 instances, as shown above, the midwives had been so negligent as to necessitate a report of their conduct to the Midwives Act Committee.

Midwives Act, 1918.—This Act became operative on the 1st January, 1919.

It provides, *inter alia*, for the payment by the Local Supervising Authority of fees (according to a scale fixed by the Local Government Board) of medical practitioners summoned in cases of emergency by certified midwives. The Local Supervising Authority is empowered to recover such fee from the patient, or her husband, or other person liable to maintain her, unless it is shown that such person is unable by reason of poverty to pay such fee.

The Authorities are to supply certified midwives with forms and books free of cost, and to pay cost of postages.

Section 12 repeals the provisions of Section 8 of the 1902 Act, which enabled County Councils to delegate their powers and duties to District Councils.

Section 6 (2) deals with compensation payable to a midwife when suspended from practice in order to prevent the spread of infection.

Power is given to Authorities to aid the training of midwives, whether within or without their area.

By Circular M. and C.W. 4, dated 9th August, 1918, the Local Government Board intimated that Grants in aid of Midwifery would be made with the object of securing an efficient midwifery service throughout the country. Financial assistance would also be given as regards the provision of lying-in homes, home helps, &c.

Sale of Food and Drugs Acts.—The County Analyst (Mr. Collingwood Williams, B.Sc., F.I.C.), in his report for the year 1918 to the Public Health and Housing Committee, states that 4,792 samples have been submitted for analysis during the year, of which 4,476 were from the County Police, 315 from Local Authorities, and 1 from a private person.

Of the samples submitted by the Police, 595 were adulterated or not up to standard, being 13·29 per cent. of the number taken, as compared with 12·54 per cent. in 1917. The percentage of adulterated samples varies from 3·9 per cent. in the Wigan Division to 22·7 per cent. in the Seaforth Division. Of the samples submitted by Local Authorities, 47, or 14·92 per cent., were reported against.

As usual, a large proportion of the above cases were of too slight a character to justify legal proceedings, the proportion of serious cases being only 6·03 per cent., as compared with 4·77 per cent. in 1917. This figure is, however, a high one for the County, and represents a greater amount of adulteration than has been prevalent since the year 1908.

The feature this year has been the large proportion of adulterated milks and beers, water being the substance added in both cases. The same fluid is also becoming prevalent in

increasing amount in other substances, such as jams and potted meats.

Milk.—Three thousand four hundred and forty samples (71·7 per cent. of the total number taken) consisted of milk, the number of adulterated, deficient, or dirty samples being 552, or 16·05 per cent.

The character of the condemned samples was as follows :—

Nature of Adulteration.	Percentage of samples analysed. 1918.		1917.	
Added water exceeding 4% ...	4·10	8·14	3·36	8·34
Do. under 4%	4·04		4·98	
Fat deficiency exceeding 10% ...	1·62	4·12	1·44	3·67
Do. under 10% ...	2·50		2·23	
Cowdung exceeding 5 parts by volume per 100,000 ...	1·31	4·71	3·16	9·07
Do. exceeding 2 parts, but not exceeding 5 ...	3·40		5·91	
Dirt other than cowdung ...		0·03		1·03
Formaldehyde preservative ...		0·03		None

Excluding the dirty samples, the proportion of seriously adulterated milks was 5·75 per cent., as against 4·80 per cent. in 1917, and is the highest percentage since the year 1911. The increase is almost entirely due to the greater number of watered milks, the cases of fat deficiency showing only a comparatively small increase as compared with last year.

There have been numerous cases of grossly watered milk during the year, three samples containing about 25 per cent. added water, five between 30 and 40 per cent., and two others 79 and 84 per cent. respectively.

All the samples received in a fresh condition have been examined for cowdung and other dirt, and compared with 1917 the figures show a very marked improvement, the proportion of dirty milks being only about half what it was in that year, which in turn had shown much better results than the year

before when systematic examination was first commenced. The action taken in this matter has, therefore, resulted in greatly improving the cleanliness of the County milk supply.

The average composition of the milk purchased for analysis in the County for the past three years is shown in the following table :—

Month.	% Fat.			% Non-fatty Solids.		
	1916.	1917.	1918.	1916.	1917.	1918.
January	3·69	3·74	3·72	8·86	8·87	8·92
February	3·55	3·77	3·64	8·86	8·72	8·87
March	3·64	3·53	3·60	8·82	8·70	8·85
April...	3·77	3·67	3·61	8·90	8·63	8·83
May	3·65	3·69	3·53	8·95	8·69	8·87
June	3·60	3·54	3·51	9·02	8·83	8·87
July	3·39	3·63	3·54	8·88	8·69	8·77
August	3·56	3·62	3·69	8·80	8·77	8·86
September	3·77	3·83	3·78	8·96	8·86	8·88
October	3·83	3·81	3·90	8·87	9·06	8·75
November	3·78	3·85	3·90	8·83	8·91	8·84
December	3·79	3·72	3·64	8·77	8·93	8·83
Annual Average	3·66	3·71	3·67	8·88	8·81	8·84
No. of Samples	2767	2869	3396	2767	2869	3396

Table H, appended, gives details of the articles analysed and the number of adulterations.

Prosecutions numbered 151, and fines and penalties amounted to £902 9s. 7½d. Details are shown on Table I.

TABLE (H) GIVING DETAILS OF THE SAMPLES TAKEN IN THE ADMINISTRATIVE COUNTY DURING 1918.

DIVISION.	Milk.		Butter.		Confectionery and Jam.		Spices and Condiments		Beer.		Other Articles of Food.		Drugs.		Totals.		Percentage of Adulterated Samples.
	*	†	*	†	*	†	*	†	*	†	*	†	*	†	*	†	
Lonsdale North	65	11	2	...	0	...	12	1	0	...	33	...	0	...	112	12	10·7
Lonsdale South	45	7	2	...	4	...	11	1	0	...	41	3	1	...	104	11	10·6
Garstang	70	10	0	...	0	...	10	2	0	...	12	...	0	...	92	12	13·0
Kirkham	118	25	0	...	4	...	16	2	0	...	39	1	7	...	184	28	15·2
Blackburn Lower	118	10	0	...	0	...	30	...	0	...	54	...	0	...	202	10	4·9
Blackburn Higher	138	7	6	...	6	...	65	2	6	5	92	1	1	...	314	15	4·8
Church	113	13	0	...	1	...	8	...	0	...	45	4	0	...	167	17	10·2
Rossendale	147	7	0	...	0	...	0	...	0	...	0	...	0	...	147	7	4·8
Leyland	126	18	1	...	5	...	36	3	0	...	86	3	5	1	259	25	9·6
Bolton	262	41	0	...	0	...	7	...	0	...	11	...	0	...	280	41	14·6
Bury	258	44	0	...	0	...	0	...	13	8	0	...	0	...	271	52	19·2
Rochdale	367	72	0	...	0	...	0	...	0	...	0	...	0	...	367	72	19·6
Ashton-under-Lyne	206	35	0	...	0	...	5	1	4	4	3	...	7	1	225	41	18·2
Manchester	378	64	0	...	11	3	50	1	23	15	100	...	26	4	588	87	14·8
Seaforth	135	33	0	...	0	...	0	...	0	...	2	...	8	...	145	33	22·7
Ormskirk	68	12	0	...	0	...	22	...	8	2	44	...	2	...	144	14	9·7
Prescot	69	16	0	...	2	1	3	1	0	...	23	1	5	...	102	19	18·6
Widnes	86	21	0	...	0	...	15	1	3	...	19	2	0	...	123	24	19·5
Warrington	292	61	0	...	0	...	0	...	5	...	0	...	0	...	297	61	20·5
Wigan	125	11	26	1	6	...	48	2	0	...	146	...	2	...	353	14	3·9
County Police	3186	518	37	1	39	4	338	17	62	34	750	15	64	6	4476	595	13·29
Local Authorities	253	34	9	1	8	5	13	1	0	...	28	5	4	1	315	47	14·92
Other Purchasers	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	0·0
Totals	3440	552	46	2	47 (a)	9	351 (b)	18	62	34	778 (c)	20	68 (d)	7	4792	642	13·4
Percentage of Adulteration	16·05		4·35		19·15		5·12		54·84		2·56		10·28		13·4		...

* No. of Samples. † No. Adulterated.

The 315 samples taken by Local Authorities include—Boroughs of Darwen 11, Middleton 90, Rawtenstall 1, and Nelson 8; Urban District Councils of Abram 12, Ashton-in-Makerfield 1, Chadderton 11, Droylsden 4, Irlam 1, Prestwich 19, Stretford 86, Westhoughton 46, Worsley 11, St. Annes-on-the-Sea 12, and Food Control Committee, Upholland, 2.

(*a*) Chewing Gum 2, Fruit Ices 1, Fruit Jelly 1, Ground Almonds 12, Honey 1, Jam 16, Lemon Cream 1, Marmalade 2, Nut Food 3, Sandwich Cake 1, Sugar 4, Sweets 1, Treacle 2 ; *total* 47.

(*b*) Cayenne 3, Ginger 120, Mustard 20, Pepper 182, Pickles 1, Sauce 5, Vinegar 20 ; *total* 351.

(*c*) Arrowroot 27, Anchovy Paste 1, Baking Powder 48, Black Puddings 1, Bread 2, Bread Improver 1, Brawn 1, Buttermilk 1, Beef Tea Cubes 2, Cheese 12, Cocoa Butter 2, Cake, Bun, and Pudding Flour 5, Coffee and Chicory 1, Cocoa 52, Cocoa Cubes 1, Cornflour 8, Carbonate of Soda 3, Custard Powder 22, Cream of Tartar 12, Condensed Milk 7, Coffee 205, Dripping 10, Dessicated Soup 4, Egg Powder 10, Evaporated Milk 6, Flour 24, Gin 1, Ground Rice 15, Granulated Gravy 1, Gravy Browning 1, Gravy Salt 1, Lard 29, Lard Substitute or Compound 3, Lunch Cubes 1, Margarine 19, Meat Extract 3, Oatmeal 47, Pearl Barley 11, Potted Meat (Tinned) 5, Potted Shrimp and Salmon 1, Pudding Powder 1, Rice Flour 1, Rice 51, Self-raising Flour 31, Sago 8, Sardines (Tinned) 2, Sausage (Tinned) 2, Salmon Paste 2, Tea 33, Tapioca 15, Tuna (Tinned) 1, Tonic Food 1, Tartaric Acid 6, Water 1, Whiskey 4, Yeast 13 ; *total* 778.

(*d*) Balsam 1, Balsam of Linseed 1, Epsom Salts 57, Glauber Salts 2, Liver Salts 1, Liquorice Powder 2, Magnesia 1, Throat and Lung Mixture 1, Vaseline 2 ; *total* 68.

TABLE I.—SHOWING THE NUMBER OF LEGAL PROCEEDINGS TAKEN IN THE ADMINISTRATIVE COUNTY UNDER THE SALE OF FOOD AND DRUGS ACTS, ARISING OUT OF SAMPLES PURCHASED DURING THE YEAR 1918, WITH THE RESPECTIVE RESULTS.

DIVISION.	Number of Prosecutions.	Number Convicted or Ordered to Pay Costs.	Number Withdrawn.	Number of Dismissals.		Fines and Costs.
				On Warranty.	For other Reasons.	£ s. d.
Lonsdale North	1	...	...	..	1	...
Lonsdale South	1	...	..	...	1	...
Garstang	2	2		...	...	15 7 0
Kirkham	4	4	...	..	...	108 14 9
Blackburn Lower	3	3	..		...	10 3 7
Blackburn Higher	2	1	...	1	..	6 9 0
Church	7	7*	...	...	...	19 14 5
Rossendale	2	2	...	...	...	3 12 4
Leyland	4	1	...	...	3	0 12 6
Bolton	4	4	..	...	...	18 11 7
Bury	10	9	...	...	1	47 5 0
Rochdale	20	17	...	...	3	80 10 8
Ashton-under-Lyne	7	6	...	...	1	11 7 0
Manchester	11	10	...	...	1	49 17 6
Seaforth	16	14	2	...	...	153 9 2½
Ormskirk	4	3	...	...	1	18 10 3
Prescot	7	7	...	...	...	139 14 0
Widnes	4	2	...	...	2	11 13 2
Warrington	21	20	...	...	1	90 15 8
Wigan	5	5	...	...	...	23 5 4
County Police	135	117	2	1	15	809 12 11½
Local Authorities	16	13	...	...	3	92 16 8
Totals	151	130	2	1	18	902 9 7½

* In the case of No. 606 C.D. Milk, defendant fined £2, but appealed successfully to Preston Quarter Sessions.

ADMINISTRATIVE COUNTY OF LANCASTER.

BIRTH AND DEATH RATES

OF THE

URBAN AND RURAL DISTRICTS

FOR THE YEAR 1918,

COMPARED WITH THE RATES FOR THE YEAR 1917, AND WITH THE MEAN OF THE 10 YEARS 1908-1917.

URBAN DISTRICTS.

Abram.—

	Per 1,000 of Population.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate	
1918	24·1	16·2	1·69	1·01	112
1917	21·5	11·5	0·62	1·09	129
Mean of 10 years 1908-1917	27·9	14·3	2·11	0·65	125
Increase or Decrease in 1918 *on—*					
Previous Year	+2·6	+4·7	+1·07	—0·08	—17
Ten Years' Average	—3·8	+1·9	—0·42	+0·36	—13

Accrington (Borough).—

1918	13·6	15·0	0·57	1·05	93
1917	12·8	13·8	0·68	0·98	95
Mean of 10 years 1908-1917	18·2	13·9	1·09	0·86	114
Increase or Decrease in 1918 *on—*					
Previous Year	+0·8	+1·2	—0·11	+0·07	—2
Ten Years' Average	—4·6	+1·1	—0·52	+0·19	—21

Adlington.—

1918	17·2	13·2	0·79	1·05	68
1917	17·2	12·7	3·24	0·24	103
Mean of 10 years 1908-1917	22·2	11·4	0·87	0·75	79
Increase or Decrease in 1918 *on—*					
Previous Year	nil.	+0·5	—2·45	+0·81	—35
Ten Years' Average	—5·0	+1·8	—0·08	+0·30	—11

Ashton-in-Makerfield.—

	Per 1,000 of Population.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1918	24·2	17·6	2·83	0·48	106
1917	22·6	12·4	0·94	0·90	97
Mean of 10 years 1908-1917	29·3	14·4	2·33	0·70	130
Increase or Decrease in 1918 *on—*					
Previous Year	+1·6	+5·2	+1·89	—0·42	+9
Ten Years' Average	—5·1	+3·2	+0·50	—0·22	—24

Ashton-under-Lyne (Borough).—

1918	16·3	20·0	0·83	1·66	121
1917	16·6	16·3	0·86	1·30	104
Mean of 10 years 1908-1917	22·1	17·4	1·91	1·40	155
Increase or Decrease in 1918 *on—*					
Previous Year	—0·3	+3·7	—0·03	+0·36	+17
Ten Years' Average	—5·8	+2·6	—1·08	+0·26	—34

Aspull.—

1918	20·9	23·5	2·51	0·97	148
1917	25·5	16·6	1·89	0·94	119
Mean of 10 years 1908-1917	30·0	15·9	2·90	0·73	140
Increase or Decrease in 1918 *on—*					
Previous Year	—4·6	+6·9	+0·62	+0·03	+29
Ten Years' Average	—9·1	+7·6	—0·39	+0·24	+8

Atherton.—

	Per of 1,000 Population.				Rate of Deaths under 1 year to 1,000 Births.
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	
1918	19·3	17·9	2·54	0·84	138
1917	19·3	12·3	1·20	0·89	80
Mean of 10 years 1908-1917	25·5	13·6	1·96	0·96	127
Increase or Decrease in 1918 *on—*					
Previous Year	nil.	+5·6	+1·34	—0·05	+58
Ten Years' Average	—6·2	+4·3	+0·58	—0·12	+11

Audenshaw.—

1918	16·1	14·2	0·41	0·54	106
1917	14·3	12·2	0·26	0·79	66
Mean of 10 years 1908-1917	21·2	13·7	1·30	0·82	138
Increase or Decrease in 1918 *on—*					
Previous Year	+1·8	+2·0	+0·15	—0·25	+40
Ten Years' Average	—5·1	+0·5	—0·89	—0·28	—32

Bacup (Borough).—

1918	13·1	20·4	1·43	0·95	147
1917	13·6	16·6	0·15	0·72	102
Mean of 10 years 1908-1917	18·3	16·2	0·87	0·88	109
Increase or Decrease in 1918 *on—*					
Previous Year	—0·5	+3·8	+1·28	+0·23	+45
Ten Years' Average	—5·2	+4·2	+0·56	+0·07	+38

Barrowford.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	9·2	15·0	1·41	0·81	58
1917	11·3	12·6	0·20	1·00	79
Mean of 10 years 1908-1917	18·7	12·3	1·05	0·69	107
Increase or Decrease in 1918 *on—*					
Previous Year	—2·1	+2·4	+1·21	—0·19	—21
Ten Years' Average	—9·5	+2·7	+0·36	+0·12	—49

Billinge.—

1918	24·7	17·6	0·68	1·37	90
1917	19·7	13·6	0·89	0·89	91
Mean of 10 years 1908-1917	26·9	14·3	1·44	0·67	116
Increase or Decrease in 1918 *on—*					
Previous Year	+5·0	+4·0	—0·21	+0·48	—1
Ten Years' Average	—2·2	+3·3	—0·76	+0·70	—26

***Bispham-with-Norbreck.—**

1918	6·0	10·1	nil.	nil.	nil.
1917	7·7	17·2	nil.	1·64	95
Mean of 10 years 1908-1917	12·0	13·9	0·48	0·63	68
Increase or Decrease in 1918 *on—*					
Previous Year	—1·7	—7·1	nil.	—1·64	—95
Ten Years' Average	—6·0	—3·8	—0·48	—0·63	—68

* This district incorporated in the County Borough of Blackpool 1st April, 1918. The above rates for the year 1918 refer to period prior to that date.

Blackrod.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	20·5	20·7	1·47	0·88	128
1917	16·8	14·8	1·40	1·12	134
Mean of 10 years 1908-1917	24·8	13·3	1·60	0·54	118
Increase or Decrease in 1918 *on—*					
Previous Year	+3·7	+5·9	+0·07	—0·24	—6
Ten Years' Average	—4·3	+7·4	—0·13	+0·34	+10

Brierfield.—

1918	11·7	16·4	1·02	1·02	55
1917	13·0	13·5	1·09	1·22	121
Mean of 10 years 1908-1917	18·5	12·8	1·23	1·07	115
Increase or Decrease in 1918 *on—*					
Previous Year	—1·3	+2·9	—0·07	—0·20	—66
Ten Years' Average	—6·8	+3·6	—0·21	—0·05	—60

Carnforth.—

1918	18·4	16·2	1·69	1·69	65
1917	21·7	7·9	0·33	0·33	27
Mean of 10 years 1908-1917	21·7	11·6	0·50	0·60	82
Increase or Decrease in 1918 *on—*					
Previous Year	—3·3	+8·3	+1·36	+1·36	+38
Ten Years' Average	—3·3	+4·6	+1·19	+1·09	—17

Chadderton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	15·7	20·6	0·99	1·31	117
1917	16·6	15·0	1·14	1·33	86
Mean of 10 years 1908-1917	23·9	15·6	1·59	1·05	118
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+5·6	—0·15	—0·02	+31
Ten Years' Average	—8·2	+5·0	—0·60	+0·26	—1

Chorley (Borough).—

1918	13·1	18·6	0·81	0·94	108
1917	16·6	13·2	0·58	1·13	110
Mean of 10 years 1908-1917	22·8	15·0	1·46	0·97	133
Increase or Decrease in 1918 *on—*					
Previous Year	—3·5	+5·4	+0·23	—0·19	—2
Ten Years' Average	—9·7	+3·6	—0·65	—0·03	—25

Church.—

1918	15·2	15·7	0·66	1·66	116
1917	13·3	15·8	0·66	0·66	134
Mean of 10 years 1908-1917	20·0	15·5	1·01	0·82	129
Increase or Decrease in 1918 *on—*					
Previous Year	+1·9	—0·1	nil.	+1·00	—18
Ten Years' Average	—4·8	+0·2	—0·35	+0·84	—13

Clayton-le-Moors.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	14·4	14·9	0·71	1·07	140
1917	15·3	13·0	0·62	0·50	102
Mean of 10 years 1908-1917	21·9	14·5	1·34	0·73	128
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+1·9	+0·09	+0·57	+38
Ten Years' Average	—7·5	+0·4	—0·63	+0·34	+12

Clitheroe (Borough).—

1918	13·3	17·0	0·27	1·57	86
1917	10·8	13·5	0·72	0·82	90
Mean of 10 years 1908-1917	19·2	13·6	0·79	1·02	101
Increase or Decrease in 1918 *on—*					
Previous Year	+2·5	+3·5	—0·45	+0·75	—4
Ten Years' Average	—5·9	+3·4	—0·52	+0·55	—15

Colne (Borough).—

1918	11·8	16·6	0·98	0·84	91
1917	12·0	12·8	0·80	1·34	143
Mean of 10 years 1908-1917	18·4	13·6	1·35	0·96	127
Increase or Decrease in 1918 *on—*					
Previous Year	—0·2	+3·8	+0·18	—0·50	—52
Ten Years' Average	—6·6	+3·0	—0·37	—0·12	—36

Crompton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	12·8	20·9	0·59	1·42	166
1917	16·0	15·4	0·36	1·69	86
Mean of 10 years 1908-1917	20·6	15·3	1·24	0·91	129
Increase or Decrease in 1918 *on—*					
Previous Year	—3·2	+5·5	+0·23	—0·27	+80
Ten Years' Average	—7·8	+5·6	—0·65	+0·51	+37

Croston.—

1918	9·5	17·4	0·56	0·56	nil.
1917	11·1	12·4	1·08	0·54	43
Mean of 10 years 1908-1917	17·5	11·6	1·01	0·66	81
Increase or Decrease in 1918 *on—*					
Previous Year	—1·6	+5·0	—0·52	+0·02	—43
Ten Years' Average	—8·0	+5·8	—0·45	—0·10	—81

Dalton-in-Furness.—

1918	25·1	20·4	1·10	1·32	125
1917	21·8	14·1	0·59	1·57	89
Mean of 10 years 1908-1917	25·2	14·6	1·12	1·21	105
Increase or Decrease in 1918 *on—*					
Previous Year	+3·3	+6·3	+0·51	—0·25	+36
Ten Years' Average	—0·1	+5·8	—0·02	+0·11	+20

Darwen (Borough).—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	9·5	21·0	0·51	0·97	73
1917	11·1	14·2	0·32	1·07	93
Mean of 10 years 1908-1917	17·1	14·2	0·94	0·75	118
Increase or Decrease in 1918 *on—*					
Previous Year	—1·6	+6·8	+0·19	—0·10	—20
Ten Years' Average	—7·6	+6·8	—0·43	+0·22	—45

Denton.—

1918	14·4	16·4	0·84	1·09	67
1917	16·5	13·7	0·44	1·20	68
Mean of 10 years 1908-1917	21·3	14·0	1·01	0·87	121
Increase or Decrease in 1918 *on—*					
Previous Year	—2·1	+2·7	+0·40	—0·11	—1
Ten Years' Average	—6·9	+2·4	—0·17	+0·22	—54

Droylsden.—

1918	16·7	16·8	0·78	1·17	66
1917	17·6	13·8	0·86	1·57	76
Mean of 10 years 1908-1917	23·4	14·9	1·88	1·20	121
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+3·0	—0·08	—0·40	—10
Ten Years' Average	—6·7	+1·9	—1·10	—0·03	—55

Eccles (Borough).—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	15·1	15·1	0·70	1·28	78
1917	17·2	13·3	0·74	1·01	77
Mean of 10 years 1908-1917	21·6	13·7	1·36	1·03	105
Increase or Decrease in 1918 *on—*					
Previous Year	—2·1	+1·8	—0·04	+0·27	+1
Ten Years' Average	—6·5	+1·4	—0·66	+0·25	—27

Failsworth.—

1918	14·0	17·1	0·78	1·04	95
1917	15·8	12·5	1·08	0·95	86
Mean of 10 years 1908-1917	24·1	14·8	1·39	1·21	117
Increase or Decrease in 1918 *on—*					
Previous Year	—1·8	+4·6	—0·30	+0·09	+9
Ten Years' Average	—10·1	+2·3	—0·61	—0·17	—22

Farnworth.—

1918	19·3	17·1	1·29	1·33	113
1917	18·5	16·1	1·41	1·25	115
Mean of 10 years 1908-1917	22·7	15·2	2·26	0·99	156
Increase or Decrease in 1918 *on—*					
Previous Year	+0·8	+1·0	—0·12	+0·08	—2
Ten Years' Average	—3·4	+1·9	—0·97	+0·34	—43

Fleetwood.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	19·1	17·6	0·99	1·46	95
1917	19·6	11·2	0·61	0·74	77
Mean of 10 years 1908-1917	26·1	13·0	1·31	0·81	101
Increase or Decrease in 1918 *on*—					
Previous Year	—0·5	+6·4	+0·38	+0·72	+18
Ten Years' Average	—7·0	+4·6	—0·32	+0·65	—6

Formby.—

1918	12·8	14·9	0·75	0·75	26
1917	12·5	13·7	1·44	1·08	51
Mean of 10 years 1908-1917	16·9	9·9	0·64	0·74	57
Increase or Decrease in 1918 *on*—					
Previous Year	+0·3	+1·2	—0·69	—0·33	—25
Ten Years' Average	—4·1	+5·0	+0·11	+0·01	—31

Fulwood.—

1918	12·8	25·9	nil.	0·21	44
1917	10·2	17·6	0·40	0·61	71
Mean of 10 years 1908-1917	13·8	11·8	0·55	0·60	55
Increase or Decrease in 1918 *on*—					
Previous Year	+2·6	+8·3	—0·40	—0·40	—27
Ten Years' Average	—1·0	+14·1	—0·55	—0·39	—11

Golborne.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	19·6	14·1	1·41	0·62	85
1917	24·3	13·7	1·56	1·71	120
Mean of 10 years 1908-1917	29·1	15·9	2·69	0·79	150
Increase or Decrease in 1918 *on—*					
Previous Year	—4·7	+0·4	—0·15	—1·09	—35
Ten Years' Average	—9·5	—1·8	—1·28	—0·17	—65

Grange-over-Sands.—

1918	8·9	21·0	0·52	2·10	157
1917	9·5	15·4	nil.	nil.	nil.
Mean of 10 years 1908-1917	9·4	12·1	0·33	1·25	40
Increase or Decrease in 1918 *on—*					
Previous Year	—0·6	+5·6	+0·52	+2·10	+157
Ten Years' Average	—0·5	+8·9	+0·19	+0·85	+117

Great Crosby.—

1918	15·8	12·9	0·47	1·03	80
1917	14·2	10·0	0·15	0·45	62
Mean of 10 years 1908-1917	18·6	10·2	0·72	0·52	79
Increase or Decrease in 1918 *on—*					
Previous Year	+1·6	+2·9	+0·32	+0·58	+18
Ten Years' Average	—2·8	+2·7	—0·25	+0·51	+1

Great Harwood.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	11·6	16·2	0·33	0·91	127
1917	12·4	13·5	0·65	0·81	105
Mean of 10 years 1908-1917	18·6	11·7	0·76	0·69	95
Increase or Decrease in 1918 *on—*					
Previous Year	—0·8	+2·7	—0·32	+0·10	+22
Ten Years' Average	—7·0	+4·5	—0·43	+0·22	+32

Haslingden (Borough).—

1918	11·3	15·3	0·90	1·16	71
1917	11·3	14·7	0·25	1·00	103
Mean of 10 years 1908-1917	16·7	14·7	0·85	0·97	123
Increase or Decrease in 1918 *on—*					
Previous Year	nil.	+0·6	+0·65	+0·16	—32
Ten Years' Average	—5·4	+0·6	+0·05	+0·19	—52

Haydock.—

1918	29·6	19·6	3·02	1·16	153
1917	24·9	12·5	0·77	0·99	91
Mean of 10 years 1908-1917	31·0	14·6	2·28	0·65	133
Increase or Decrease in 1918 *on—*					
Previous Year	+4·7	+7·1	+2·25	+0·17	+62
Ten Years' Average	—1·4	+5·0	+0·74	+0·51	+20

Heysham.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	11·7	19·2	0·27	0·27	104
1917	11·5	13·1	0·28	0·84	108
Mean of 10 years 1908-1917	13·1	12·7	0·32	0·76	68
Increase or Decrease in 1918 *on—*					
Previous Year	+0·2	+6·1	—0·01	—0·57	—4
Ten Years' Average	—1·4	+6·5	—0·05	—0·49	+36

Heywood (Borough).—

1918	14·4	22·9	0·54	1·09	112
1917	16·1	17·4	1·06	1·27	129
Mean of 10 years 1908-1917	20·3	17·0	1·42	1·32	135
Increase or Decrease in 1918 *on—*					
Previous Year	—1·7	+5·5	—0·52	—0·18	—17
Ten Years' Average	—5·9	+5·9	—0·88	—0·23	—23

Hindley.—

1918	22·8	18·3	1·45	0·68	129
1917	23·7	17·4	2·15	0·94	146
Mean of 10 years 1908-1917	27·7	16·6	2·46	0·83	145
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+0·9	—0·70	—0·26	—17
Ten Years' Average	—4·9	+1·7	—1·01	—0·15	—16

Horwich.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	15·8	15·1	0·62	0·76	98
1917	15·5	12·5	0·97	0·69	88
Mean of 10 years 1908-1917	21·0	11·8	1·12	0·82	101
Increase or Decrease in 1918 *on—*					
Previous Year	+0·3	+2·6	—0·35	+0·07	+10
Ten Years' Average	—5·2	+3·3	—0·50	—0·06	—3

Hurst.—

1918	16·0	17·6	1·20	1·06	125
1917	17·0	15·9	0·53	1·33	84
Mean of 10 years 1908-1917	24·5	16·6	1·61	1·20	134
Increase or Decrease in 1918 *on—*					
Previous Year	—1·0	+1·7	+0·67	—0·27	+41
Ten Years' Average	—8·5	+1·0	—0·41	—0·14	—9

Huyton-with-Roby.—

1918	16·9	18·5	1·18	0·71	137
1917	14·5	14·7	0·23	0·23	44
Mean of 10 years 1908-1917	17·7	12·0	0·66	0·53	73
Increase or Decrease in 1918 *on—*					
Previous Year	+2·4	+3·8	+0·95	+0·48	+93
Ten Years' Average	—0·8	+6·5	+0·52	+0·18	+64

Ince-in-Makerfield.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	25·3	20·5	1·70	1·60	111
1917	24·0	14·7	2·15	0·95	109
Mean of 10 years 1908-1917	32·2	18·3	3·21	0·80	159
Increase or Decrease in 1918 *on—*					
Previous Year	+1·3	+5·8	—0·45	+0·65	+2
Ten Years' Average	—6·9	+2·2	—1·51	+0·80	—48

Irlam.—

1918	22·6	13·7	0·47	0·82	55
1917	22·1	12·6	1·97	0·93	70
Mean of 10 years 1908-1917	25·3	11·9	1·21	0·52	101
Increase or Decrease in 1918 *on—*					
Previous Year	+0·5	+1·1	—1·50	—0·11	—15
Ten Years' Average	—2·7	+1·8	—0·74	+0·30	—46

Kearsley.—

1918	18·4	17·5	0·57	0·80	122
1917	19·8	15·0	1·56	0·89	101
Mean of 10 years 1908-1917	22·6	14·3	1·85	0·88	143
Increase or Decrease in 1918 *on—*					
Previous Year	—1·4	+2·5	—0·99	—0·09	+21
Ten Years' Average	—4·2	+3·2	—1·28	—0·08	—21

Kirkham.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	18·5	17·3	1·22	1·22	58
1917	16·1	20·0	0·59	2·09	133
Mean of 10 years 1908-1917	20·2	17·5	2·00	1·45	172
Increase or Decrease in 1918 *on—*					
Previous Year	+2·4	—2·7	+0·63	—0·87	—75
Ten Years' Average	—1·7	—0·2	—0·78	—0·23	—114

Lancaster (Borough).—

1918	15·6	17·2	0·83	1·28	138
1917	16·1	14·0	0·51	1·14	91
Mean of 10 years 1908-1917	20·1	13·7	0·81	1·20	103
Increase or Decrease in 1918 *on—*					
Previous Year	—0·5	+3·2	+0·32	+0·14	+47
Ten Years' Average	—4·5	+3·5	+0·02	+0·08	+35

Lathom and Burscough.—

1918	18·0	22·3	1·75	1·02	144
1917	20·1	13·3	0·42	0·42	114
Mean of 10 years 1908-1917	23·1	13·2	0·72	0·75	90
Increase or Decrease in 1918 *on—*					
Previous Year	—2·1	+9·0	+1·33	+0·60	+30
Ten Years' Average	—5·1	+9·1	+1·03	+0·27	+54

Lees.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	16·3	25·6	2·35	0·47	192
1917	13·1	17·3	0·68	0·91	140
Mean of 10 years 1908-1917	23·3	18·8	1·84	1·01	162
Increase or Decrease in 1918 *on—*					
Previous Year	+3·2	+8·3	+1·67	—0·44	+52
Ten Years' Average	—7·0	+6·8	+0·51	—0·54	+30

Leigh (Borough).—

1918	20·2	17·8	1·64	1·47	143
1917	19·3	14·9	1·32	1·58	116
Mean of 10 years 1908-1917	25·7	16·4	2·38	1·14	150
Increase or Decrease in 1918 *on—*					
Previous Year	+0·9	+2·9	+0·32	—0·11	+27
Ten Years' Average	—5·5	+1·4	—0·74	+0·33	—7

Leyland.—

1918	18·4	15·6	1·32	0·72	75
1917	11·8	11·0	0·69	1·03	130
Mean of 10 years 1908-1917	20·8	13·6	0·95	0·82	111
Increase or Decrease in 1918 *on—*					
Previous Year	+6·6	+4·6	+0·63	—0·31	—55
Ten Years' Average	—2·4	+2·0	+0·37	—0·10	—36

Litherland.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	25·8	19·4	1·75	1·75	65
1917	24·7	15·5	1·48	1·07	124
Mean of 10 years 1908-1917	31·0	14·7	1·93	1·04	120
Increase or Decrease in 1918 *on—*					
Previous Year	+1·1	+3·9	+0·27	+0·68	—59
Ten Years' Average	—5·2	+4·7	—0·18	+0·71	—55

Littleborough.—

1918	12·7	20·2	0·95	0·66	93
1917	10·9	16·4	0·46	1·39	122
Mean of 10 years 1908-1917	17·3	14·5	0·65	0·92	104
Increase or Decrease in 1918 *on—*					
Previous Year	+1·8	+3·8	+0·49	—0·73	—29
Ten Years' Average	—4·6	+5·7	+0·30	—0·26	—11

Little Crosby.—

1918	17·0	17·8	nil.	2·38	125
1917	15·1	9·6	1·20	1·20	nil.
Mean of 10 years 1908-1917	20·8	9·0	0·43	0·62	39
Increase or Decrease in 1918 *on—*					
Previous Year	+1·9	+8·2	—1·20	+1·18	+125
Ten Years' Average	—3·8	+8·8	—0·43	+1·76	+86

Little Hulton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	17·8	15·3	1·04	0·91	98
1917	20·4	13·2	1·17	1·70	97
Mean of 10 years 1908-1917	24·2	13·7	1·65	1·00	108
Increase or Decrease in 1918 *on—*					
Previous Year	—2·6	+2·1	—0·13	—0·79	+1
Ten Years' Average	—6·4	+1·6	—0·61	—0·09	—10

Little Lever.—

1918	13·8	16·2	3·20	0·91	117
1917	15·4	15·4	3·09	0·66	89
Mean of 10 years 1908-1917	21·1	14·4	1·85	0·93	124
Increase or Decrease in 1918 *on—*					
Previous Year	—1·6	+0·8	+0·11	+0·25	+28
Ten Years' Average	—7·3	+1·8	+1·35	—0·02	—7

Longridge.—

1918	12·7	16·1	0·52	0·78	127
1917	14·9	17·9	1·32	1·32	111
Mean of 10 years 1908-1917	21·4	15·6	1·01	1·22	142
Increase or Decrease in 1918 *on—*					
Previous Year	—2·2	—1·8	—0·80	—0·54	+16
Ten Years' Average	—8·7	+0·5	—0·49	—0·44	—15

Lytham.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	10·2	13·0	0·11	0·33	19
1917	9·8	13·0	0·11	0·45	30
Mean of 10 years 1908-1917	13·3	12·9	0·66	0·63	73
Increase or Decrease in 1918 *on—*					
Previous Year	+0·4	nil.	nil.	—0·12	—11
Ten Years' Average	—3·1	+0·1	—0·55	—0·30	—54

Middleton (Borough).—

1918	13·0	17·2	0·86	1·17	80
1917	14·5	15·3	0·90	1·29	113
Mean of 10 years 1908-1917	20·3	15·0	1·28	1·16	117
Increase or Decrease in 1918 *on—*					
Previous Year	—1·5	+1·9	—0·04	—0·12	—33
Ten Years' Average	—7·3	+2·2	—0·42	+0·01	—37

Milnrow.—

1918	11·9	21·4	2·01	1·20	110
1917	12·8	12·0	nil.	0·51	80
Mean of 10 years 1908-1917	17·8	15·5	1·00	0·93	115
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+9·4	+2·01	+0·69	+30
Ten Years' Average	—5·9	+5·9	+1·01	+0·27	—5

Morecambe (Borough).—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	13·4	14·2	0·19	0·84	60
1917	10·1	14·0	0·61	0·73	86
Mean of 10 years 1908-1917	13·5	13·6	0·36	0·80	95
Increase or Decrease in 1918 *on—*					
Previous Year	+3·3	+0·2	—0·42	+0·11	—26
Ten Years' Average	—0·1	+0·6	—0·17	+0·04	—35

Mossley (Borough).—

1918	13·8	14·9	nil.	0·88	68
1917	14·0	16·3	0·43	1·14	44
Mean of 10 years 1908-1917	19·2	15·6	0·66	1·06	97
Increase or Decrease in 1918 *on—*					
Previous Year	—0·2	—1·4	—0·43	—0·26	+24
Ten Years' Average	—5·4	—0·7	—0·66	—0·18	—29

Nelson (Borough).—

1918	9·9	14·9	0·58	0·99	112
1917	10·8	12·2	0·54	0·84	106
Mean of 10 years 1908-1917	16·3	11·1	0·77	0·71	101
Increase or Decrease in 1918 *on—*					
Previous Year	—0·9	+2·7	+0·04	+0·15	+6
Ten Years' Average	—6·4	+3·8	—0·19	+0·28	+11

Newton-in-Makerfield.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	20·3	15·6	0·53	1·18	62
1917	19·4	11·4	0·93	0·98	86
Mean of 10 years 1908-1917	24·9	12·8	1·59	0·98	107
Increase or Decrease in 1918 *on—*					
Previous Year	+0·9	+4·2	—0·40	+0·20	—24
Ten Years' Average	—4·6	+2·8	—1·06	+0·20	—45

Norden.—

1918	13·2	18·5	0·28	0·84	94
1917	12·3	12·8	0·84	1·40	142
Mean of 10 years 1908-1917	18·3	13·3	0·74	0·85	89
Increase or Decrease in 1918 *on—*					
Previous Year	+0·9	+5·7	—0·56	—0·56	—48
Ten Years' Average	—5·1	+5·2	—0·46	—0·01	+5

Ormskirk.—

1918	20·7	19·0	0·48	2·09	90
1917	18·0	14·4	0·47	0·62	54
Mean of 10 years 1908-1917	23·0	15·5	0·90	1·31	100
Increase or Decrease in 1918 *on—*					
Previous Year	+2·7	+4·6	+0·01	+1·47	+36
Ten Years' Average	—2·3	+3·5	—0·42	+0·78	—10

Orrell.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	19·8	16·8	0·96	nil.	129
1917	22·9	11·2	1·90	1·11	68
Mean of 10 years 1908-1917	26·4	14·7	2·32	0·90	156
Increase or Decrease in 1918 *on*—					
Previous Year	—3·1	+5·6	—0·94	—1·11	+61
Ten Years' Average	—6·6	+2·1	—1·36	—0·90	—27

Oswaldtwistle.—

1918	15·8	17·4	1·51	1·28	123
1917	14·6	14·3	0·73	1·25	81
Mean of 10 years 1908-1917	20·9	14·3	1·17	0·68	121
Increase or Decrease in 1918 *on*—					
Previous Year	+1·2	+3·1	+0·78	+0·03	+42
Ten Years' Average	—5·1	+3·1	+0·34	+0·60	+2

Padiham.—

1918	13·1	16·9	1·89	1·04	141
1917	15·6	14·6	0·63	1·18	140
Mean of 10 years 1908-1917	21·2	15·4	1·22	0·98	138
Increase or Decrease in 1918 *on*—					
Previous Year	—2·5	+2·3	+1·26	—0·14	+1
Ten Years' Average	—8·1	+1·5	+0·67	+0·06	+3

Poulton-le-Fylde.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	12·1	19·9	0·42	2·12	nil.
1917	11·5	15·4	0·42	nil.	100
Mean of 10 years 1908-1917	16·8	13·0	0·40	0·31	105
Increase or Decrease in 1918 *on—*					
Previous Year	+0·6	+4·5	nil.	+2·12	—100
Ten Years' Average	—4·7	+6·9	+0·02	+1·81	—105

Preesall.—

1918	10·7	14·1	nil.	0·67	55
1917	19·6	9·2	nil.	0·66	30
Mean of 10 years 1908-1917	18·9	11·0	0·57	0·38	86
Increase or Decrease in 1918 *on—*					
Previous Year	—8·9	+4·9	nil.	+0·01	+25
Ten Years' Average	—8·2	+3·1	—0·57	+0·29	—31

Prescot.—

1918	21·5	18·7	3·74	1·74	108
1917	21·6	15·0	1·70	0·73	90
Mean of 10 years 1908-1917	28·3	16·0	2·21	1·08	116
Increase or Decrease in 1918 *on—*					
Previous Year	—0·1	+3·7	+2·04	+1·01	+18
Ten Years' Average	—6·8	+2·7	+1·53	+0·66	—8

Prestwich.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	11·6	14·9	0·63	1·54	59
1917	13·6	13·6	0·27	1·11	82
Mean of 10 years 1908-1917	19·8	12·1	0·74	0·82	76
Increase or Decrease in 1918 *on—*					
Previous Year	—2·0	+1·3	+0·36	+0·43	—23
Ten Years' Average	—8·2	+2·8	—0·11	+0·72	—17

Radcliffe.—

1918	14·7	16·5	0·68	1·23	83
1917	13·4	14·7	0·34	0·91	115
Mean of 10 years 1908-1917	18·5	14·6	1·03	0·80	128
Increase or Decrease in 1918 *on—*					
Previous Year	+1·3	+1·8	+0·34	+0·32	—32
Ten Years' Average	—3·8	+1·9	—0·35	+0·43	—45

Rainford.—

1918	22·5	14·2	0·64	0·64	12
1917	19·2	10·3	nil.	nil.	88
Mean of 10 years 1908-1917	26·6	12·7	0·73	0·31	84
Increase or Decrease in 1918 *on—*					
Previous Year	+3·3	+3·9	+0·64	+0·64	—76
Ten Years' Average	—4·1	+1·5	—0·09	+0·33	—72

Ramsbottom.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	11·1	17·0	0·66	0·74	88
1917	12·3	15·0	0·50	1·09	89
Mean of 10 years 1908-1917	16·7	14·2	0·96	1·03	103
Increase or Decrease in 1918 *on—*					
Previous Year	—1·2	+2·0	+0·16	—0·35	—1
Ten Years' Average	—5·6	+2·8	—0·30	—0·29	—15

Rawtenstall (Borough).—

1918	12·8	17·2	0·71	1·10	102
1917	11·7	12·4	0·30	0·53	73
Mean of 10 years 1908-1917	18·4	14·0	0·78	0·86	102
Increase or Decrease in 1918 *on—*					
Previous Year	+1·1	+4·8	+0·41	+0·57	+29
Ten Years' Average	—5·6	+3·2	—0·07	+0·24	nil.

Rishton.—

1918	12·5	15·2	0·31	0·79	56
1917	13·5	9·5	nil.	0·15	41
Mean of 10 years 1908-1917	17·7	11·6	0·82	0·94	94
Increase or Decrease in 1918 *on—*					
Previous Year	—1·0	+5·7	+0·31	+0·64	+15
Ten Years' Average	—5·2	+3·6	—0·51	—0·15	—38

Royton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	14·2	23·0	0·66	1·45	157
1917	15·9	14·6	0·75	1·13	103
Mean of 10 years 1908-1917	23·6	16·8	1·37	0·94	126
Increase or Decrease in 1918 *on—*					
Previous Year	—1·7	+8·4	—0·09	+0·32	+54
Ten Years' Average	—9·4	+6·2	—0·71	+0·51	+31

St. Annes-on-the-Sea.—

1918	8·2	11·5	0·59	0·59	43
1917	11·5	12·1	0·21	0·43	67
Mean of 10 years 1908-1917	11·7	10·9	0·43	0·53	73
Increase or Decrease in 1918 *on—*					
Previous Year	—3·3	—0·6	+0·38	+0·16	—24
Ten Years' Average	—3·5	+0·6	+0·16	+0·06	—30

Skelmersdale.—

1918	24·1	19·6	1·28	1·28	124
1917	24·7	11·9	1·26	0·78	120
Mean of 10 years 1908-1917	29·4	16·5	2·14	0·67	151
Increase or Decrease in 1918 *on—*					
Previous Year	—0·6	+7·7	+0·02	+0·50	+4
Ten Years' Average	—5·3	+3·1	—0·86	+0·61	—27

Standish-with-Langtree.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	22·5	15·9	1·19	0·59	106
1917	17·8	13·1	0·58	1·02	117
Mean of 10 years 1908-1917	26·7	13·7	1·26	0·53	125
Increase or Decrease in 1918 *on—*					
Previous Year	+4·7	+2·8	+0·61	—0·43	—11
Ten Years' Average	—4·2	+2·2	—0·07	+0·06	—19

Stretford.—

1918	12·5	14·0	0·54	1·00	62
1917	14·7	11·2	0·49	1·03	49
Mean of 10 years 1908-1917	17·2	11·3	0·80	0·81	91
Increase or Decrease in 1918 *on—*					
Previous Year	—2·2	+2·8	+0·05	—0·03	+13
Ten Years' Average	—4·7	+2·7	—0·26	+0·19	—29

Swinton and Pendlebury.—

1918	16·5	16·8	0·61	1·45	100
1917	17·0	14·1	1·31	1·31	126
Mean of 10 years 1908-1917	23·1	14·3	1·69	1·07	138
Increase or Decrease in 1918 *on—*					
Previous Year	—0·5	+2·7	—0·70	+0·14	—26
Ten Years' Average	—6·6	+2·5	—1·08	+0·38	—38

Thornton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under year to 1,000 Births.
1918	14·4	17·4	0·42	1·06	78
1917	17·5	12·1	nil.	1·85	105
Mean of 10 years 1908-1917	22·2	12·1	0·65	0·68	84
Increase or Decrease in 1918 *on—*					
Previous Year	—3·1	+5·3	+0·42	—0·79	—27
Ten Years' Average	—7·8	+5·3	—0·23	+0·38	—6

Tottington.—

1918	10·9	18·8	0·67	2·18	82
1917	12·6	13·2	1·15	0·66	82
Mean of 10 years 1908-1917	16·0	12·6	0·76	0·92	92
Increase or Decrease in 1918 *on—*					
Previous Year	—1·7	+5·6	—0·48	+1·52	nil.
Ten Years' Average	—5·1	+6·2	—0·09	+1·26	—10

Trawden.—

1918	10·5	16·7	1·22	nil.	68
1917	15·3	9·5	0·39	1·58	46
Mean of 10 years 1908-1917	21·3	13·2	0·67	1·03	111
Increase or Decrease in 1918 *on—*					
Previous Year	—4·8	+7·2	+0·83	—1·58	+22
Ten Years' Average	—10·8	+3·5	+0·55	—1·03	—43

Turton.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	9·9	13·8	0·93	0·46	67
1917	10·7	15·6	0·36	1·19	91
Mean of 10 years 1908-1917	16·0	12·3	0·45	0·75	85
Increase or Decrease in 1918 *on*—					
Previous Year	—0·8	—1·8	+0·57	—0·73	—24
Ten Years' Average	—6·1	+1·5	+0·48	—0·29	—18

Tyldesley-with-Shakerley.—

1918	23·4	17·0	1·70	0·52	73
1917	18·3	15·2	1·83	0·95	115
Mean of 10 years 1908-1917	25·7	14·9	2·31	0·96	128
Increase or Decrease in 1918 *on*—					
Previous Year	+5·1	+1·8	—0·13	—0·43	—42
Ten Years' Average	—2·3	+2·1	—0·61	—0·44	—55

Ulverston.—

1918	20·2	19·4	0·97	0·58	76
1917	19·6	14·3	1·09	0·59	82
Mean of 10 years 1908-1917	21·3	14·6	1·08	0·77	103
Increase or Decrease in 1918 *on*—					
Previous Year	+0·6	+5·1	—0·12	—0·01	—6
Ten Years' Average	—1·1	+4·8	—0·11	—0·19	—27

Upholland.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	19·1	17·3	1·44	0·61	115
1917	20·8	12·2	0·81	1·01	96
Mean of 10 years 1908-1917	28·1	14·3	1·52	0·71	120
Increase or Decrease in 1918 *on—*					
Previous Year	—1·7	+5·1	+0·63	—0·40	+19
Ten Years' Average	—9·0	+3·0	—0·08	—0·10	—5

Urmston.—

1918	13·7	12·1	0·25	0·89	58
1917	14·5	10·3	1·01	0·88	46
Mean of 10 years 1908-1917	18·4	10·9	0·99	0·87	73
Increase or Decrease in 1918 *on—*					
Previous Year	—0·8	+1·8	—0·76	+0·01	+12
Ten Years' Average	—4·7	+1·2	—0·74	+0·02	—15

Walton-le-Dale.—

1918	14·0	16·6	0·09	1·41	77
1917	14·4	15·2	0·64	0·82	91
Mean of 10 years 1908-1917	21·4	13·7	1·05	0·82	119
Increase or Decrease in 1918 *on—*					
Previous Year	—0·4	+1·4	—0·55	+0·59	—14
Ten Years' Average	—7·4	+2·9	—0·96	+0·59	—42

Wardle.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	9·6	29·3	0·63	2·23	117
1917	11·9	22·5	1·27	1·59	71
Mean of 10 years 1908-1917	15·1	15·7	0·88	1·00	112
Increase or Decrease in 1918 *on—*					
Previous Year	—2·3	+6·8	—0·64	+0·64	+46
Ten Years' Average	—5·5	+13·6	—0·25	+1·23	+5

Waterloo-with-Seaforth.—

1918	19·6	17·0	0·91	1·22	86
1917	18·0	14·1	0·79	1·04	80
Mean of 10 years 1908-1917	22·1	13·2	1·05	1·00	91
Increase or Decrease in 1918 *on—*					
Previous Year	+1·6	+2·9	+0·12	+0·18	+6
Ten Years' Average	—2·5	+3·8	—0·14	+0·22	—5

Westhoughton.—

1918	19·2	15·7	2·04	0·58	91
1917	17·6	12·1	0·47	0·68	101
Mean of 10 years 1908-1917	25·9	14·1	1·48	0·60	130
Increase or Decrease in 1918 *on—*					
Previous Year	+1·6	+3·6	+1·57	—0·10	—10
Ten Years' Average	—6·7	+1·6	+0·56	—0·02	—39

Whitefield.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	14·2	15·1	0·47	0·78	79
1917	15·0	13·7	0·31	0·47	104
Mean of 10 years 1908-1917	18·7	14·7	1·12	0·72	108
Increase or Decrease in 1918 *on—*					
Previous Year	—0·8	+1·4	+0·16	+0·31	—25
Ten Years' Average	—4·5	+0·4	—0·65	+0·06	—29

Whitworth.—

1918	11·7	22·3	1·53	1·53	74
1917	11·5	20·0	nil.	1·46	135
Mean of 10 years 1908-1917	17·5	17·3	0·77	1·34	126
Increase or Decrease in 1918 *on—*					
Previous Year	+0·2	+2·3	+1·53	+0·07	—61
Ten Years' Average	—5·8	+5·0	+0·76	+0·19	—52

Widnes (Borough).—

1918	23·8	18·8	1·57	1·26	118
1917	24·8	15·8	1·40	1·17	100
Mean of 10 years 1908-1917	29·8	17·2	2·52	1·08	129
Increase or Decrease in 1918 *on—*					
Previous Year	—1·0	+3·0	+0·17	+0·09	+18
Ten Years' Average	—6·0	+1·6	—0·95	+0·18	—11

Withnell.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	13·5	17·0	0·36	0·36	119
1917	13·8	13·3	1·05	1·40	68
Mean of 10 years 1908-1917	19·2	11·8	0·67	0·60	73
Increase or Decrease in 1918 *on—*					
Previous Year	—0·3	+3·7	—0·69	—1·04	+51
Ten Years' Average	—5·7	+5·2	—0·31	—0·24	+46

Worsley.—

1918	14·3	14·5	0·53	1·29	71
1917	13·2	13·0	0·80	0·64	76
Mean of 10 years 1908-1917	19·3	12·5	1·02	0·61	112
Increase or Decrease in 1918 *on—*					
Previous Year	+1·1	+1·5	—0·27	+0·65	—5
Ten Years' Average	—5·0	+2·0	—0·49	+0·68	—41

RURAL DISTRICTS.

Barton-upon-Irwell.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	15·2	16·2	0·34	1·93	86
1917	13·2	11·4	0·31	0·84	71
Mean of 10 years 1908-1917	20·5	12·0	0·87	0·58	81
Increase or Decrease in 1918 *on—*					
Previous Year	+2·0	+4·8	+0·03	+1·09	+15
Ten Years' Average	—5·3	+4·2	—0·53	+1·35	+5

Blackburn.—

1918	12·3	16·6	0·39	0·78	141
1917	15·1	16·1	nil.	0·91	61
Mean of 10 years 1908-1917	19·2	13·4	0·64	0·65	88
Increase or Decrease in 1918 *on—*					
Previous Year	—2·8	+0·5	+0·39	—0·13	+80
Ten Years' Average	—6·9	+3·2	—0·25	+0·13	+53

Burnley.—

1918	12·0	14·6	0·35	0·88	79
1917	14·6	14·2	0·63	0·69	109
Mean of 10 years 1908-1917	17·9	12·8	0·71	0·63	111
Increase or Decrease in 1918 *on—*					
Previous Year	—2·6	+0·4	—0·28	+0·19	—30
Ten Years' Average	—5·9	+1·8	—0·36	+0·25	—32

Bury.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	12·3	18·9	0·49	0·85	123
1917	14·8	15·7	0·72	1·09	110
Mean of 10 years 1908-1917	19·5	13·6	0·98	0·78	93
Increase or Decrease in 1918 *on*—					
Previous Year	—2·5	+3·2	—0·23	—0·24	+13
Ten Years' Average	—7·2	+5·3	—0·49	+0·07	+30

Chorley.—

1918	16·3	17·7	1·07	0·71	106
1917	16·5	13·0	0·49	0·84	115
Mean of 10 years 1908-1917	22·0	13·4	1·01	0·74	110
Increase or Decrease in 1918 *on*—					
Previous Year	—0·2	+4·7	+0·58	—0·13	—9
Ten Years' Average	—5·7	+4·3	+0·06	—0·03	—4

Clitheroe (Lancashire Portion).—

1918	13·8	12·4	nil.	0·17	55
1917	13·1	13·8	nil.	0·85	104
Mean of 10 years 1908-1917	18·9	13·4	0·44	0·92	76
Increase or Decrease in 1918 *on*—					
Previous Year	+0·7	—1·4	nil.	—0·68	—49
Ten Years' Average	—5·1	—1·0	—0·44	—0·75	—21

***Fylde.—**

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	14·5	16·1	0·57	0·57	82
1917	16·5	12·5	1·14	0·76	123
Mean of 10 years 1908-1917	21·3	12·6	1·00	0·44	92
Increase or Decrease in 1918 *on—*					
Previous Year	—2·0	+3·6	—0·57	—0·19	—41
Ten Years' Average	—6·8	+3·5	—0·43	+0·13	—10

* Population slightly reduced, 1st April, 1918, by extension of County Borough of Blackpool. Rates for 1918 adjusted accordingly.

Garstang.—

1918	14·6	17·1	0·51	0·41	88
1917	14·2	14·7	0·10	0·62	90
Mean of 10 years 1908-1917	19·4	12·2	0·35	0·50	74
Increase or Decrease in 1918 *on—*					
Previous Year	+0·4	+2·4	+0·41	—0·21	—2
Ten Years' Average	—4·8	+4·9	+0·16	—0·09	+14

Lancaster.—

1918	17·5	21·8	1·13	1·00	141
1917	16·7	14·2	0·24	0·61	72
Mean of 10 years 1908-1917	18·5	12·6	0·52	0·61	74
Increase or Decrease in 1918 *on—*					
Previous Year	+0·8	+7·6	+0·89	+0·39	+69
Ten Years' Average	—1·0	+9·2	+0·61	+0·39	+67

Leigh.—

	Per 1,000 of Population				
	Birth-rate.	Death-rate.	Epidemic Death-rate	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	20·8	17·4	1·78	0·52	99
1917	19·4	13·4	0·92	0·51	132
Mean of 10 years 1908-1917	27·0	14·5	2·00	0·78	127
Increase or Decrease in 1918 *on—*					
Previous Year	+1·4	+4·0	+0·86	+0·01	—33
Ten Years' Average	—6·2	+2·9	—0·22	—0·26	—28

Limehurst.—

1918	15·7	15·5	0·48	1·08	116
1917	15·2	15·5	1·17	1·05	89
Mean of 10 years 1908-1917	22·7	15·2	1·30	1·01	120
Increase or Decrease in 1918 *on—*					
Previous Year	+0·5	nil.	—0·69	+0·03	+27
Ten Years' Average	—7·0	+0·3	—0·82	+0·07	—4

Lunesdale.—

1918	14·8	12·1	0·33	0·33	70
1917	14·5	9·9	nil.	0·16	49
Mean of 10 years 1908-1917	17·5	11·6	0·46	0·56	69
Increase or Decrease in 1918 *on—*					
Previous Year	+0·3	+2·2	+0·33	+0·17	+21
Ten Years' Average	—2·7	+0·5	—0·13	—0·23	+1

Preston.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	15·4	17·6	0·23	0·97	73
1917	13·6	14·1	0·33	0·83	98
Mean of 10 years 1908-1917	21·0	13·2	0·60	0·77	87
Increase or Decrease in 1918 *on*—					
Previous Year	+1·8	+3·5	—0·10	+0·14	—25
Ten Years' Average	—5·6	+4·4	—0·37	+0·20	—14

Sefton.—

1918	18·2	14·8	1·12	1·34	65
1917	12·9	11·4	nil.	1·38	80
Mean of 10 years 1908-1917	17·7	12·6	0·41	1·06	82
Increase or Decrease in 1918 *on*—					
Previous Year	+5·3	+3·4	+1·12	—0·04	—15
Ten Years' Average	+0·5	+2·2	+0·71	+0·28	—17

Ulverston.—

1918	16·4	15·2	0·73	0·85	83
1917	17·4	13·2	0·24	0·79	66
Mean of 10 years 1908-1917	18·7	13·0	0·40	0·73	69
Increase or Decrease in 1918 *on*—					
Previous Year	—1·0	+2·0	+0·49	+0·06	+17
Ten Years' Average	—2·3	+2·2	+0·33	+0·12	+14

Warrington.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	17·8	16·4	1·78	0·94	94
1917	17·8	12·8	0·74	1·39	98
Mean of 10 years 1908-1917	21·6	12·3	1·14	0·99	96
Increase or Decrease in 1918 *on—*					
Previous Year	nil.	+3·6	+1·04	—0·45	—4
Ten Years' Average	—3·8	+4·1	+0·64	—0·05	—2

West Lancashire.—

1918	17·3	17·7	0·67	0·78	80
1917	18·4	11·4	0·32	0·86	75
Mean of 10 years 1908-1917	20·1	12·2	0·67	0·70	87
Increase or Decrease in 1918 *on—*					
Previous Year	—1·1	+6·3	+0·35	—0·08	+5
Ten Years' Average	—2·8	+5·5	nil	+0·08	—7

Whiston.—

1918	20·0	15·0	1·39	1·19	85
1917	18·2	14·6	0·87	1·14	96
Mean of 10 years 1908-1917	23·4	12·6	1·19	0·74	94
Increase or Decrease in 1918 *on—*					
Previous Year	+1·8	+0·4	+0·52	+0·05	—11
Ten Years' Average	—3·4	+2·4	+0·20	+0·45	—9

Wigan.—

	Per 1,000 of Population.				
	Birth-rate.	Death-rate.	Epidemic Death-rate.	Phthisis Death-rate.	Rate of Deaths under 1 year to 1,000 Births.
1918	16·4	13·9	0·53	1·23	67
1917	16·4	15·0	0·68	0·34	130
Mean of 10 years 1908-1917	22·3	13·4	0·88	0·55	115
Increase or Decrease in 1918 *on—*					
Previous Year	nil.	—1·1	—0·15	+0·89	—63
Ten Years' Average	—5·9	+0·5	—0·35	+0·68	—48

*EXTRACT FROM THE METEOROLOGICAL REPORT

BY THE

REV. W. SIDGREAVES, S.J., F.R.A.S.,

Of Stonyhurst College Observatory.

SUMMARY OF OBSERVATIONS

FOR 1918.

Results of Observations taken during the Year.		Mean for the last 71 years.
Readings of Barometer in inches.		
Mean of the year	29·507	29·492
Highest Monthly Mean (June)	29·630	29·744
Lowest ,, ,, (September) ...	29·209	29·220
Highest Reading (February)	30·290	30·291
Lowest ,, (September)	28·210	28·201
Range	2·080	2·090
Thermometer, Fahrenheit.		
Highest Monthly Mean Temperature (August)	58·3	58·6
Lowest ,, ,, (January)	38·5	35·5
Highest Reading of a Max. Therm. (May 22nd)	79·8	81·4
Lowest Reading of a Min. Therm. (January 13th)	13·1	15·9
Range of Thermometer Readings ...	66·7	65·5
Mean of Highest Daily ,, ...	53·9	54·5
Mean of Lowest Daily ,, ...	42·2	40·9
Mean Daily Range	11·7	13·6
Deduced Mean Temperature (from mean of Max. and Min.)	47·0	46·8
Mean Temperature from Dry Bulb ...	48·0	47·1
Adopted Mean Temperature of the Year.	47·5	47·0
Mean Temperature of Evaporation ...	45·3	44·6
Mean Temperature of Dew Point ...	42·9	42·1
Mean elastic force of Vapour ... inches	0·283	0·274
Mean weight of Vapour in a cubic foot of air ... ... grains	3·2	3·2
Mean additional weight required for saturation ... ... grains	0·5	0·7
Mean degree of Humidity (saturation 100)	84	83

* Introduced by kind permission.

Results of Observations taken during the Year.		Mean for the last 71 years.
Mean weight of a cubic foot of air.. grains	538·7	539·1
Mean amount of Cloud (0—10)	7·1	7·3
Total fall of Rain . ...inches	58·992	47·179
Greatest Monthly Rainfall (Sep.) ,,	12·620	7·619
Least ,, ,, (April) ,,	1·410	1·235
Greatest Rainfall in one day (Sep. 15th) ,,	1·690	1·629
No. of days per Month on which ·005 inch or more Rain fell	18·1	17·1

Summary of Wind.

Prevailing direction	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
No. of days for each	44	31	20	7	68	80	92	11
Mean Velocity in miles per hour ...	6·2	6·7	9·4	7·5	10·1	10·6	9·6	9·6
Total No. of miles for each direction .	6575	5007	4532	1261	16473	20374	21194	2536

		Mean for the last 51 years.
Total No. of miles registered	77952	85861·0
Greatest Monthly Total (February) ...	8805	9991·9
Least ,, ,, (June) ...	4261	4976·7
Greatest hourly velocity (Nov. 2nd) ...	45	51·2
Prevailing Direction of Wind	W	W